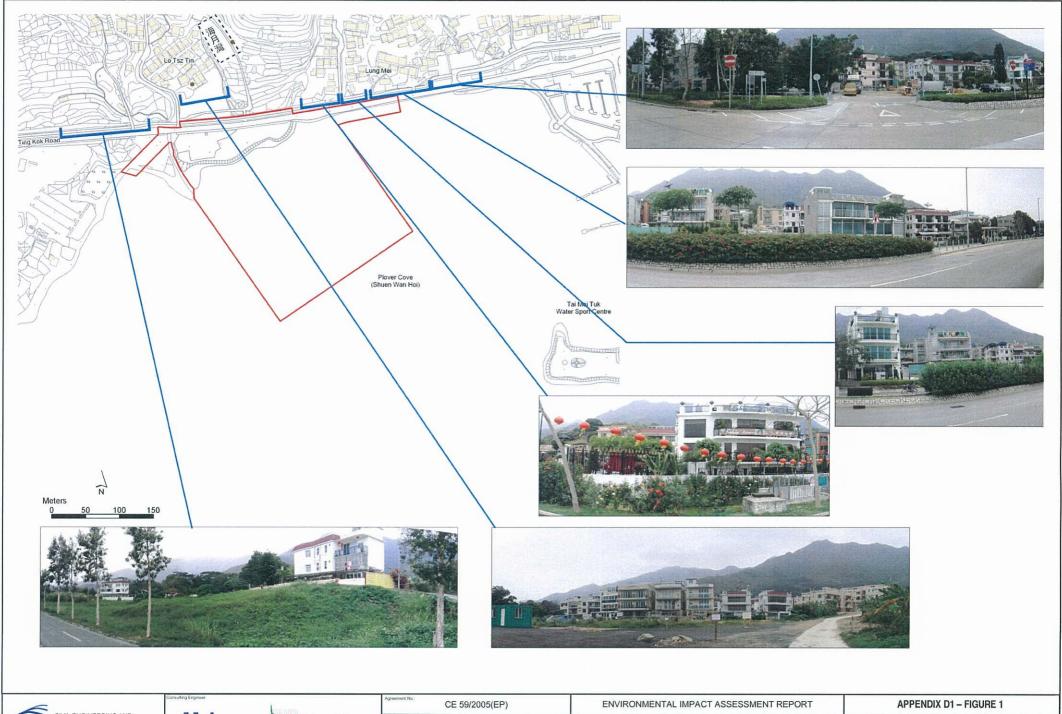
Noise Assessment Supporting Information

Appendix D1 Photographs showing the NSRs









DEVELOPMENT OF A BATHING BEACH

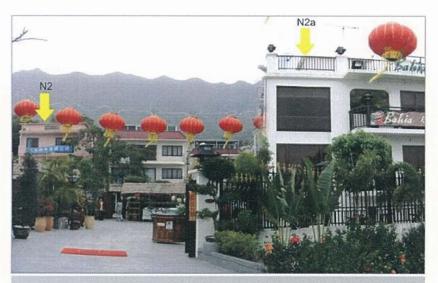
AT LUNG MEI, TAI PO

PHOTOGRAPHS OF NOISE SENSITIVE RECEIVERS

AS SHOWN 17/05/2007



N1 - No.165A Lung Mei



N2 - No.103 Lung Mei, N2a - No.101 Lung Me



N3 - No.70 Lo Tsz Tin



N4 - No.79 Lo Tsz Tin







	Agreement No.:	CE 59/2005(EP)
S	Project Title:	MENT OF A DATIUMO D

ENVIRONMENTAL IMPACT ASSESSMENT REPORT	
	Checke

ENVIRONMENTAL IMPACT ASSESSMENT REPORT	A	APPENDIX D1 – FIG	URE 2
igure Tibe:	Checked	Scale AS SHOWN	Rev. 9
PHOTOGRAPHS OF REPRESENTATIVE NOISE SENSITIVE RECEIVERS	Clesigned -	Drawn KK	Date 17/05/2007

DEVELOPMENT OF A BATHING BEACH AT LUNG MEI, TAI PO

Construction Programme for Noise Assessment

Αp	pendix D2 - Preliminary Construction	Pro	ora	mn	ne	T	_		1		Ι							<u> </u>				1						_
<u>r</u>			5													 					╁─							
			2008	L 3			1		L	20	109	<u> </u>	1	<u> </u>				<u> </u>	L			20	10					_
ID	Task	О	N	D	J	F	М	Α	M	J	J	Α	S	О	N	D	J	F	M	Α	M	Ţ	Ţ	Α	S	О	N	D
1	Construction Works on Land				Ť					-													<u> </u>					
1a	site Formation, construction of seawall,																											
	ramp, staircase, retaining walls, sump									1																		!
	tanks for grey water system and																											ı I
	superstructure foundation											-																
1b	road widening at Ting Kok Road																										\Box	
2	Car Park Paving																											
3	Building Works																											
За	piling works																											
3ъ	foundation and tanking																											
3с	superstructure																											
3d	building finishes & internal fitting-out																											
4	Dredging of Groynes																											
5	Rock filling of Groynes																											
6	Box Culvert Construction																											
6a	construction of gabion channel					1																					\Box	
6b	construction of western culvert																											
6c	construction of eastern culvert																										\Box	
6d	construction of 90m box culvert																											
7	Sand Filling																											

Appendix D3 Construction Plant Inventory

Appendix D3 Construction Plant Inventory

		· · · · · · · · · · · · · · · · · · ·			% of			rection, dl	B(A)	
ID	Activities	Plant	CNP/BS5228 ref.	No. of PME	operating time	SWL	Operating time	No. of Plant	Barrier ⁽³⁾	SWL, dB(A)
1	Construction Works on Land	·								
la	site Formation, construction of seawall, ran tanks for grey water system and superstruc - construction of seawall &									
	retaining wall	Mobile crane	CNP 048	1	80	112	-1	0	0	111
		Excavator	CNP 081	1	80	112	-1	0	0	111
		Lorry, 5.5ton <gross td="" vehicle<=""><td>(1)</td><td></td><td></td><td>100</td><td></td><td>_</td><td>_</td><td>400</td></gross>	(1)			100		_	_	400
	to at feller.	weight<38ton		3	80	105	-1	5 Sub-	0 Total SWL	109 115
l	- backfilling	Lorry, 5.5ton <gross vehicle<br="">weight<38ton</gross>	-(t)	3	80	105	-1	5	0	109
ł		Excavator	CNP 081	2	80	112	-1 -1	3	0	114
		Roller, vibratory	CNP 186	1	50	108	-3	ō	Ö	105
		•						Sub-	Total SWL	116
	- construction of ramp, staircase,	Timber sawing machine	CNP 201	2	50	108	-3	3	0	108
	sump tanks for grey water system	Bar bender and cutter (electric)	CNP 021	3	50	90	-3	5	0	92
	and superstructure foundation	Electrical drill	CNP 065	5	50	98	-3	7	0	102
		Diesel generator	CNP 102	1	100	100	0	0	0	100
		Water pumps (electric)	CNP 281	2	100	88	0	3	0	91
		Vibratory Poker (electric)	_(1)	3	80	102	-1	5	0	106
		Concrete lorry mixers	CNP 044	1	80	109	-1	0	0	108
						3443/1	MUM SWL		Total SWL	113
1 <i>b</i>	7 17 1					MAX	MOM SWL	FUR WU	KK ID Ia =	116
	road widening at Ting Kok Road - breaking existing road surface	Excavator	CNP 081	2	100	112	0	3	0	115
	4	Cil Pil-	(2)		22	****			Total SWL	115
	 drainage channel construction 	Silent Piler Excavator	CNP 081	1 1	80 80	100 112	-1 -1	0 0	0 0	99
		Mobile crane	CNP 048	1	80	112	-1 -1	0	0	111 111
	1.1							Sub-	Total SWL	114
	- manhole construction	Electrical drill	CNP 065	2	50	98	-3	3	0	98
		Diesel generator	CNP 102	2	100	100	0	3	0	103
		Timber sawing machine Bar bender and cutter (electric)	CNP 201 CNP 021	1 1	50 50	108 90	-3 -3	0	0	105 87
		bar bender and curier (electric)	CINF 021	1	30	90	-3		Total SWL	87 108
	- concreting work	Concrete lorry mixers	CNP 044	1	80	109	-1	0	0	108
	· · · · · · · · · · · · · · · · · · ·	Vibratory Poker (electric)	_(1)	2	80	102	-1	3	0	104
		()		_		-02	•		Total SWL	109
	 backfilling and road formation 	Compactor, vibratory	CNP 050	1	50	105	-3	0	0	102
		Road roller	CNP 185	1	50	108	-3	0	0	105
		Excavator	CNP 081	1	80	112	-1	0	0	111
					r	MAYI	MUM SWL		Total SWL	112 115
2	Can Bank Barring					мили	MOIN STEE	1011110	KK IO ID -	113
2	Car Park Paving	Lorry, 5.5ton <gross td="" vehicle<=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></gross>								
	- backfilling	weight<38ton	(1)	3	80	105	-1	5	0	109
		Excavator	CNP 081	2	80	112	-1	3	Ö	114
		Roller, vibratory	CNP 186	1	50	108	-3	0	0	105
								Sub-	Total SWL	116
	 concreting work 	Concrete lorry mixers	CNP 044	1	80	109	-1	0	0	108
		Vibratory Poker (electric)	(1)	2	80	102	-1	3	0	104
									Total SWL	109
						MAX	IMUM SW	L FOR WO)RK ID 2 =	116
3	Building Works									
3a	piling works	Silent piler	(2)	2	80	100	-1	3	0	102
		Excavator	CNP 081	1	80	112	-1	0	0	111
						MAXI	MUM SWL	FOR WO	RK ID 3a =	112
						<u> </u>	·		·	
3b	foundation and tanking									
		Mobile crane	CNP 048	1	80	112	-1	0	0	111
		Excavator	CNP 081	1	80	112	-1	0	0	111
		Timber sawing machine	CNP 201	2	50	108	-3	3	0	108
		Bar bender and cutter (electric)	CNP 021	3	50	90	-3	5	0	92
		Electrical drill	CNP 065	5	50	98	-3	7	0	102
		Diesel generator	CNP 102	1	100	100	0	0	0	100
		Water pumps (electric)	CNP 281	2	100	88	0	3	0	91
										113
						MAY	MUM SWL		Total SWL	113

Appendix D3 Construction Plant Inventory

		<u></u>			% of		Corr	ection, dl	3(A)	
			CNP/BS5228	No. of	operating		Operating	No. of	(2)	SWL,
ID	Activities	Plant	ref.	PME	time	SWL	time	Plant	Barrier ⁽³⁾	dB(A)
3с	superstructure									
	superstructure work	Mobile crane	CNP 048	1	80	112	1	•	•	111
H	- superstructure work		CNP 201	3	50	108	-1	0	0	111
1		Timber sawing machine Bar bender and cutter (electric)	CNP 021	3	50 50	90	-3 -3	5 5	0 0	110 92
l		Electrical drill	CNP 065	6	50	98	-3	8	0	103
		Diesel generator	CNP 102	1	100	100	Ö	Ö	ŏ	100
								Sub-	Total SWL	114
	 concreting work 	Concrete lorry mixers	CNP 044	1	80	109	-1	0	0	108
		Vibratory Poker (electric)	(1)	5	80	102	-1	7	0	108
i						3542	nana cun		Total SWL	111
						MAX	IMUM SWL	FOR WO	KK ID 3c ≈	114
3d	building finishes & internal fitting-out	Mobile crane	CNP 048	1	80	112	-1	0	0	111
	-, , ,	Timber sawing machine	CNP 201	1	50	108	-3	0	Ö	105
1		Electrical drill	CNP 065	6	50	98	-3	8	Ö	103
		Diesel generator	CNP 102	1	100	100	0	Ō	Ō	100
						T	OTAL SWL	FOR WO	RK ID 3d =	113
4	Dredging of Groynes	Excavator	CNP 081	2	80	112	-1	3	0	114
		Grab Dredger	CNP 063	1	100	112	0	0	0	112
		Derrick lighter	CNP 061	1	100	104	0 TOTAL SWI	0	0	104
}					L		TOTAL SWI	FUR WO	JKK ID 4 =	116
5	Rock filling of Groynes	Lorry, 5.5ton <gross td="" vehicle<=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></gross>								
		weight<38ton	_(1)	3	80	105	-1	5	0	109
		Excavator	CNP 081	2	80	112	-1	3	0	114
		Derrick lighter	CNP 061	2	80	104	-1	3	0	106
							TOTAL SWL	FOR WO	ORK ID 5 =	116
6	Box Culvert Construction									
1										
бв	construction of gabion channel	5 0	Ø)							
	 excavation & leveling work 	Silent piler	(2)	1	80	100	-1	0	0	99
		Excavator	CNP 081	2	80	112	-1	3	0	114
		Vibration compactor	CNP 186	1	50	108	-3	0	0	105
1	- placing of gabion blocks	Lorry, 5.5ton <gross td="" vehicle<=""><td></td><td></td><td></td><td></td><td></td><td>Sub-</td><td>Total SWL</td><td>115</td></gross>						Sub-	Total SWL	115
	parang or gapton proces	weight<38ton	(1)	1	80	105	-1	0	0	104
		Mobile crane	CNP 048	1	80	112	-1	Ö	Ö	111
								Sub-	Total SWL	112
	 backfilling work 	Vibratory compactor	CNP 050	1	50	105	-3	0	0	102
l		Lorry, 5.5ton <gross td="" vehicle<=""><td>_(1)</td><td>1</td><td>90</td><td>100</td><td></td><td></td><td>•</td><td>104</td></gross>	_(1)	1	90	100			•	104
		weight<38ton Excavator	CNP 081	1 2	80 80	105 112	-1 -1	0 3	0	104 114
l		LACEVELOE	CIVI UUI	2	00	114	-1		Total SWL	114
						MAX	IMUM SWL			115
6b	construction of western culvert									
	 excavation work 	Silent piler	(2)	1	80	100	-1	0	0	99
		Excavator	CNP 081	1	80	112	-1	0	0	111
	- construction of culvert	Timber sawing machine	CNP 201	1	En	100	•		Total SWL	111
	- construction of emvert	Electrical drill	CNP 065	2	50 50	108 98	-3 -3	0 3	0 0	105 98
ł		Diesel generator	CNP 102	2	100	100	-3 0	3	0	98 103
Į		Water pumps (electric)	CNP 281	1	100	88	Ö	o	0	88
i		Mobile crane	CNP 048	ī	80	112	• 1	ő	ő	111
								Sub-	Total SWL	113
	 demolition of existing culvert 	Pneumatic Breaker	CNP 027	1	80	122	-1	0	0	121
		Excavator	CNP 081	1	80	112	-1	0	0	111
								Sub-	Total SWL	121

Appendix D3 Construction Plant Inventory

					% of		Corr	ection, dl	3(A)	
			CNP/BS5228	No. of	operating		Operating	No. of		SWL,
lD	Activities	Plant	ref.	PME	time	SWL	time	Plant	Barrier ⁽³⁾	dB(A)
	· ·	Lorry, 5.5ton <gross td="" vehicle<=""><td></td><td></td><td></td><td></td><td></td><td></td><td>Darrice</td><td>up(rt)</td></gross>							Darrice	up(rt)
	- construction of culvert top slab	weight<38ton	(1)	3	80	105	-1	5	0	109
	and a contract top one	Concrete lorry mixers	CNP 044	1	80	109	-1 -1	0	0	109
		,	CNP 201	2	50		_	-	_	
		Timber sawing machine				108	-3	3	0	108
		Bar bender and cutter (electric)	CNP 021	2	50	90	-3	3	0	90
		Vibratory Poker (electric)	⁽¹⁾	2	80	102	-1	3	0	104
								Sub-	Total SWL	114
	- slope reinstatement	Excavator	CNP 081	1	80	112	-1	0	0	111
	stope renistatement	Excavator	CINI DOI	•	60	112	-1			111
								Sub-	Total SWL	111
						MAXI	MUM SWL I	FOR WO	RK ID 6b =	121
5c	construction of eastern culvert									
	-									
	-preparation of concrete slab	771 1 1 - 11	CD TD ACE	_			_	_	_	
	surface	Electrical drill	CNP 065	2	50	98	-3	3	0	98
		Diesel generator	CNP 102	2	100	100	0	3	O	103
		Water pumps (electric)	CNP 281	2	100	88	0	3	0	91
		• • •						Sub-	Total SWL	104
	- concreting work	Concrete lorry mixers	CNP 044	1	80	109	-1	0	0	108
	.	Vibratory Poker (electric)	-(1)	1	80					
		Vibratory Foker (electric)		1	80	102	-1	0	0	101
									Total SWL	109
						MAX	IMUM SWL	FOR WO	RK ID 6c =	109
d	construction of 90m box culvert									
	•	P	CD TD 00.	_			_	_	_	
	- excavation work	Excavator	CNP 081	1	80	112	-1	0	0	111
								Sub-	Total SWL	111
	 erection of precast panel 									
	segment	Mobile crane	CNP 048	1	80	112	-1	0	0	111
								Sub-	Total SWL	111
	 construction of top and bottom 									
	slab	Timber sawing machine	CNP 201	1	50	108	-3	0	0	105
		Bar bender and cutter (electric)	CNP 021	1	50	90	-3	Ó	0	87
		Electrical drill	CNP 065	2	50	98	-3	3	Ō	98
		Diesel generator	CNP 102	2	100	100	ő	3	Ô	103
			0.11	_	100	100	Ū	-	Total SWL	108
	***************************************	Miles Co. Del. (1)	(1)	_	••		_			
	 concreting work 	Vibratory Poker (electric)		2	80	102	-1	3	0	104
		Concrete lorry mixers	CNP 044	1	80	109	-1	0	0	108
		_							Total SWL	109
	-screeding work	Concrete mixer	CNP 045	1	80	96	-1	0	0	95
		Diesel generator	CNP 102	2	100	100	0	3	0	103
								Sub-	Total SWL	104
		Lorry, 5.5ton <gross td="" vehicle<=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></gross>								
	 backfilling 	weight<38ton	_(1)	1	80	105	-1	0	0	104
	•	Vibratory compactor	CNP 050	1	50	105	-3	ő	0	102
		, r		-			_	-	Total SWL	106
						MAYI	MUM SWL I			111
						AAL	THOUS SAAT	OK MU	TY ID OU =	111
	Sand Filling	Pelican barge	CNP 061	1	100	104	0			704
	Sauer Hiller					104		0	0	104
		Excavator	CNP 081	2	80	112	-1	3	0	114
		Backhoe	CNP 081	2	80	112	-1 IMUM SWL	3	0	114

Remarks
(1) SWL refer to the document prepared by the Noise Control Authority (http://www.epd.gov.hk/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf)
(3) Reference was made to MTRC Contract C4420 Tsim Sha Tsui Station Modification, Variation of Environmental Permit, Noise assessment of GIKEN silent piler system.
(4) Barrier attenuation is obtained from site hoarding or movable noise barrier.

Construction Noise Assessment (Unmitigated Scenario)

Anner	ediy D4 - Construction Noice Ac	cocc	- Ame	I inm	itiont	ad Sa	an ari			_	_				-		1	1		Ŧ.	1	1	_	1	I			$\overline{}$
Apper	ndix D4 - Construction Noise As	ient -	Unm	ltigat	ea sc	enan	0				1	-				-	-										\vdash	
NSR:	N1, Village House - No.165A Lung	Mei						 			 	 	-				+-	├					_		<u> </u>		 -	
	, , , , , , , , , , , , , , , , , , , ,										Η-		1				 	-					_	-			_	
Distanc	e from NSR to Notional Source Position	t .			Corre	ction	Facto.	r		$\overline{}$						_	 									_		\vdash
-	e from NSR to Work Site ID 1	106	m			ice Att			-49	dB(A)		Facad	le =	3	dB(A)	 -	Barrier	Согтес	tion =	0	dB(A)	_						
Distanc	e from NSR to Work Site ID 2	176	111		_	ice Att			-53			Facad		3	dB(A)		Barrier			0	dB(A)	_	 					\vdash
Distanc	e from NSR to Work Site ID 3	118	m	ļ		ice Att				dB(A)		Facad		3	dB(A)		-	Correc		0	dB(A)		 	 			 -	\vdash
Distanc	e from NSR to Work Site ID 4	124	m		_	ice Att				dB(A)		Facad		3	dB(A)	_	_	Correc		0	dB(A)			 				
Distanc	e from NSR to Work Site ID 5	65	m			ice Att				dB(A)		Facad		3	dB(A)		_	Согтес		ō	dB(A)							\vdash
Distanc	e from NSR to Work Site ID 6a & 6b	290			_	ice Att				dB(A)		Facad		3	dB(A)	<u> </u>	_	Correc		0	dB(A)	_						\vdash
	e from NSR to Work Site ID 6c & 6d	29	m			ice Att				dB(A)		Facad		3	dB(A)		_	Correc	~	0	dB(A)							\vdash
Distanc	e from NSR to Work Site ID 7	124	m		_	ice Att			_	dB(A)		Facad		3	dB(A)			Correc		0	dB(A)							\vdash
	i						Γ	1											i		<u> </u>			-				
Constr	uction Item		2008			,				2(109								<u></u>			20	010					_
ID	Activity	0	N	D	J	F	М	A	м	I	J	Λ	s	О	N	D	J	F	М	Α	М	1	1	Α	s	0	N	D
1	Construction Works on Land				ŕ					<u> </u>	<u> </u>	<u> </u>	<u> </u>	Ī			+ ′		***			<u> </u>	<u> </u>	<u> </u>				
1a	site Formation, construction of seawall	0	0	116	116	116	116	116	115.6	115.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1b	road widening at Ting Kok Road	0	0	115	115	115	115	115	115	115	0	0	0	ő	ō	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total SWL	0	0	118	118	118	118	118	118	118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-	Noise Level at NSR (dB(A))	0	0	73	73	73	73	73	73	73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-					ت ا		<u> </u>	┯	1	1	Ť	<u> </u>	 • -	١ů	Ť	۳	۲	۳	۳		- "	۳	-	-	- "	-	<u> </u>	-
2	Car Park Paving	0	0	0	0	0	0	0	0	0	116	116	116	0	0	0	0	0	0	0	0	0	. 0	0	0	0	0	0
 	Total SWL	0	0	0	0	0	0	0	0	0	116	116	116	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Noise Level at NSR (dB(A))	0	0	0	0	0	0	0	0	0	66	66	66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	THE ESTER RETURN (AD(PA))	<u> </u>	<u> </u>	<u> </u>	-	<u> </u>	<u> </u>	_ ·		- "	- 00	30	30	, v		-	+ "	-	-	J		-	٠.	۳-		U	٦	
3	Building Works				\vdash						 	1—	╁		_		+					_	 	 			_	
3a	piling works	0				_	_		_	-		_	-		_	_		-	_		_	_	-	-				
-	foundation and tanking	-	0	0	0	0	0	0	0	0	112	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3Ъ		0	0	0	0	0	0	0	0	0	0	113	113	113	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3с	superstructure	0	0	0	0	0	0	0	0	0	0	0	0	0	114	114	114	114	0	0	0	0	0	0	0	0	0	0
3d	building finishes & internal fitting-out																						İ					
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	_0	113	113	113	113	113	113	113	113	113	0
	Total SWL	0	0	0	0	Ü	0	0	0	0	112	113	113	113	114	114	114	114	113	113	113	113	113	113	113	113	113	0
	Noise Level at NSR (dB(A))	0	0	0	0	0	Ø	0	0	0	65	67	67	67	68	68	68	68	66	66	66	66	66	66	66	66	66	0
										ĺ																		
4	Dredging of Groynes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	116	116	0	0	0	0	0	0	0	0	0	0	0
	Total SWL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	116	116	ō	0	0	o	0	0	0	0	0	0	0
	Noise Level at NSR (dB(A))	0	0	0	0	0	0	0	0	0	0	0	0	0	0	70	70	0	0	0	0	0	0	ő	0	ō	0	ō
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5	Rock filling of Groynes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	116	116	116	0	0	0	0	0	0	-0	0
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6	Box Culvert Construction															-						····-						\vdash
6a	construction of gabion channel	0	0	0	0	0	115	115	115	115	115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Noise Level at NSR (dB(A))	0	0	0	0	ō	60	60	60	60	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6b	construction of western culvert	0	0	0	0	0	0	0	0	0	0	121	121	121	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<u> </u>	Noise Level at NSR (dB(A))	0	0	0	0	0	0	0	0	0	0	67	67	67	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6c	construction of eastern culvert	0	0	0	0	0	0	0	0	0	0	0	0	0	109	0	0	0	0	0	0	0	0	0	0	0	0	0
	Noise Level at NSR (dB(A))	0	0	0	0	0	0	0	0	0	0	0	0	0	75	0	0	0	0	0	0	0	0	0	0	0	0	0
6d	construction of 90m box culvert	0	0	0	0	0	0	0	0	0	0	0	0	0		111	111	111	111	111	-	-		0		0	0	0
- Ju	Noise Level at NSR (dB(A))	0	0	0	0	0	0	0	0	0	0	0	0	0	0	77	77	77	77	77	111 77	111 77	0	0	0	0		0
<u> </u>	Noise Level at 1951 (dB(A))	U		U	U	U	U	, v	U	U	U	U.		- 0	U		"	"	77	77	77	77	0	U	U	U	0	· U
7	Sand Filling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	117	117	117	117	-	0	0	0	0
<u> </u>	Total SWL	0	0	0	0	0	0	0	0	0	0	0	0	-0	0	0	0	0	0	117	117	117	117	0	0	0	0	_
	Noise Level at NSR (dB(A))	0	0		0			_				-			$\overline{}$	_	_			_	-					_		0
\vdash	Noise Level at NSK (dB(A))		U	0	U	0	0	0	0	0	0	0	0	0	0	0	0	0	0	70	70	70	70	0	0	0	0	0
OVE	RALL NOISE LEVEL AT NSR (dB(A))	0	0	73	73	73	73	73	73	73	69	71	71	70	75	78	78	79	79	79	78	78	72	66	64	6.0	60	0
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Deliance from NSK to Work Size LIP 2 - 33 im	Distance	e from NSR	to Work Site ID 6a & 6b	246	111		Distan	ce Att	enuatio	on =	-56	dB(A)		Facad	e =	3	dB(A)		Barrier	Correc	tíon =	0	dB(A)							
Destance Non-NSR (as Vork Sisc ID 7 33 as Destance Assertant property of the property	Distanc	e from N\$R	to Work Site ID 6c & 6d	70	111						-45	_				_			_											
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6 Box Culvert Construction 6 a construction of gabion channel 0 0 0 0 0 115 115 115 115 115 115 115 0 0 0 0				_	0	0	0	0	0	0	0	0	0	0	0	0	ŋ	0	0	116	116	116	0	0	0	0	0	0	0	0
6 Box Culvert Construction 6 construction of gabion channel		1	Noise Level at NSR (dB(A))	0	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	72	72	72	0	0	0	0	0	0	0	0
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6c construction of eastern culvert 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00						-					-		_							_					_				
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6d construction of 90m box culvert 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6c				_	-	_										$\overline{}$	_	_		0	0	0	0	0	0	0		$\overline{}$	-
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7 Sand Filling 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		1	Noise Level at NSR (dB(A))	0	0	0	0	0	0	0	0	0	0	0	0	0	0	_	_						$\overline{}$		_	_	_	_
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OVERALL NOISE LEVEL AT NSR (dB(A)) 0 0 75 75 75 75 75 75 75 75 75 75 75 75 75			NOISE LEVEL AT INSK (dB(A))	U	U	U	U	U	U	U	U	U	U	Ų.		<u> </u>	<u> </u>	<u> </u>	U		U	70	70	70	70	U	0	0	0	0
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NSR:	NO. 11 No. 201 f	3.6.1				├				ļ.,			_	-										-				\sqcup	
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	<u>ce from NSR to Notional Sourc</u>	e Position				Corre	ction .	<u>Factor</u>	<u> </u>																				
	e from NSR to Work Site ID 1		77	m		Distar	ice Att	enuatio	on =		dB(A)		Facad	e=	3	dB(A)		Barrier	Соттес	tion =	0	dB(A)		1.		·			
	te from NSR to Work Site ID 2		140	m		Distar	ice Att	enuatio	on =	-51	dB(A)		Facad	e =	3	dB(A)	ļ	Barrier	Согтес	tion =	0	dB(A)			1				
Distanc	re from NSR to Work Site ID 3]	89	m)	Distar	ice Att	enuatio	on =	-47	dB(A)		Facad	e =	3	dB(A))	Barrier	Correc	tion =	0	dB(A)		T	1				
Distanc	e from NSR to Work Site ID 4		122	m		Distar	ice Att	enuatio	on=	-50	dB(A)		Facad	e =	3	dB(A)		Barrier	Correc	tion =	0	dB(A)							
Distanc	e from NSR to Work Site ID 5	i	90	m		Distar	ice Att	enuatio	on =	-47	dB(A)		Facad	e =	3	dB(A)		Barrier	Correc	tion =	0	dB(A)		T					
Distanc	e from NSR to Work Site ID 6a	& 6b	261	m		Distar	ice Atte	enuatio	on =	-56	dB(A)		Facad	e =	3	dB(A)		Barrier	Соггес	tion =	0	dB(A)		├				\Box	
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1	Construction Works on Land									ļ																		igsquare	
1a	site Formation, construction of		. 0	0	116	116	116	116	116	115.6	115.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1b	road widening at Ting Kok Re		0	0	115	115	115	115	115	115	115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Ī	otal SWL	0	0	118	118	118	118	118	118	118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Noise Level at NSI	R (dB(A))	0	0	76	76	76	76	76	76	76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
										T .		<u> </u>	<u> </u>	<u> </u>	<u> </u>	Ė	Ė	Ė	<u> </u>		<u> </u>	Ė	<u> </u>	Ť	Ė	Ė	Ť		
2	Car Park Paving		0	0	0	0	0	0	0	0	0	116	116	116	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
F		otal SWL	0	0	0	0	0	0	0	0	0	116				0	0	·	0	0		_		a				_	_
—	Noise Level at NSI					_					_	_	116	116	0	_		0			0	0	0	_	0	0	0	0	0
<u> </u>	Noise Level at NSI	x (ab(A))	0	0	0	0	0	0	0	0	0	68	68	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Pullding Mante:				_	 	<u> </u>			-		<u> </u>	ļ	<u> </u>			<u> </u>	<u> </u>		-								igspace	\sqcup
3	Building Works										<u> </u>	<u> </u>	ļ											Щ.				ш	$oxed{oxed}$
3a	piling works		0	0	0	0	0	0	0	0	0	112	0	_0	0	0	0	0	0	0	0	0	0	0	0	0	0	Ð	0
3Ъ	foundation and tanking		0	0	0	0	0	0	0	0	0	0	113	113	113	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3c	superstructure		0	0	0	0	0	0	0	0	0	0	0	0	0	114	114	114	114	0	0	0	0	0	0	0	0	0	0
	building finishes & internal fit	Hing-out	<u> </u>	٧.	,	-			-	0	U	, u	 	۳	,	114	114	114	114		U	U	U	٠.	- "	U	U	<u> </u>	<u> ۷</u>
3d			اما	_	_	,	ایا	ایرا	۱ ,	_	_	_	_	_	ا ا			_	_	,,,	440	,	,	1	۱			ا ا	
<u> </u>		otal SWL	0	0	0	0	0	0	0	0	Û	0	0	0	0	0	0	0	0	113	113	113	113	113	113	113	113	113	0
<u> </u>	 		0	0	_0	0	0	0	0	0	0	112	113	113	113	114	114	114	114	113	113	113	113	113	113	113	113	113	0
	Noise Level at NSI	R (dB(A))	0	0	0	0	0	0	0	0	0	68	69	69	69	70	70	70	70	69	69	69	69	69	69	69	69	69	0
4	Dredging of Groynes		0	0	0	0	0	0	0	0	0	0	0	0	0	0	116	116	0	0	0	0	0	0	0	0	0	0	0
_	0.01	otal SWL	0	0	0	0	0	0		0	_	_	_	_				_			_				_	_	-	-	_
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⊢—	Noise Level at NSI	((aB(A))	0	0	Ð	0	0	_0_	0	0	0	0	0	0	0	0	70	70	0	0	0	0	0	0	0	0	0	0	0
_	n 1670 46										<u> </u>	<u> </u>																,—l	
5	Rock filling of Groynes		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	116	116	116	0	0	0	0	0	0	0	0
	<u> </u>	otal SWL	0	0	0	0	0	0	0	0	0	0	0	0	ŋ	0	0	0	116	116	116	0	0	0	0	0	0	0	0
	Noise Level at NSF	R (dB(A))	0	0	0	0	0	_0	0	0	0	0	0	0	0	0	0	0	72	72	72	0	0	0	0	0	0	0	0
																								l				\Box	
6	Box Culvert Construction																											-	
6a	construction of gabion channe	₃₁	0	0	0	0	0	115	115	115	115	115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Noise Level at NSF		0	0	0	0	0	61	61	61	61	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 L				_		-				1			_				_						-	-	_				
6b	construction of western culve		0	0	0	0	0	0	0	0	0	0	121	121	121	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Noise Level at NSF		0	0	0	0	0	0	0	0	0	0	68	68	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6c	construction of eastern culver		0	_0	0	0	0	0	0	0	0	0	0	0	0	109	0	0	0	0	0	0	0	. 0	0	0	0	0	0
	Noise Level at NSF		0	0	0	0	0	0	0	0	0	0	0	0	0	69	0	0	0	0	0	0	0	0	0	0	0	0	0
6d	construction of 90m box culve	zt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	111	111	111	111	111	111	111	0	0	0	0	0	0
	Noise Level at NSI	(dB(A))	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71	71	71	71	71	71	71	0	0	0	0	0	0
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7	Sand Filling		0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	117	117	117	117	0	0	0	0	0
	<u> </u>	otal SWL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	117	117	117	117	0	0	0	0	0
	Noise Level at NSR		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	71	71	71	71				_	
	Noise Level at Non	(up(A))		-				- "	U	U	U	U	ש	-	U	U	U	U	0	U	71	/1	71	-/ 1	0	0	0	0	0
OVE	DALL MOTER LEVEL ATT NOT	(377(433	-			77	77	- 70		-							-		-			-			- (0				
OVE	RALL NOISE LEVEL AT NSF	(ab(A))	0	0	76	76	76	76	76	76	76	71	73	73	72	73	75	75	76	75	77	75	75	73	69	69	69	69	0
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NSS NS, Willings House - No.70 Lo Tis Tit	Apper	ndix D4 - Construction Noise As	sessm	nent -	Unm	itigat	ed Sc	enari	0	1		1	T		Γ	1		Т	Τ			Τ		1	1				
Determine From NSR to Northwest Search Position 127 or 10 127 or	,,	Constitution I tolde III.	JCJ311		T	I	-	CHAIL	Ť		 															 			
Deletion Composition 172 67 68 Deletion Composition 59 1860 1860 50 68 68 68 68 69 69 69 69	NSR:	N3, Village House - No.70 Lo Tsz T	in		— —	\vdash												1					-			†	 		
Deletion Composition 172 67 68 Deletion Composition 59 1860 1860 50 68 68 68 68 69 69 69 69			-			Ì											$\overline{}$	1											
Distance from NSRs to Ward. Stee [12]	Distanc	e from NSR to Notional Source Position	2			Corre	ction	Factor	<u>-</u>									<u> </u>											
Distance from NSRs to Week Stell D				m		Distar	ace Att	enuati	on =				Facad	e=	3	dB(A)		Barrie	r Correc	tion =	0	dB(A)							
Distance from NSR to Work Size ID 6 167 m Distance Atternations																		Вантіен	r Correc	tion =	0								
Distance from NSK to Work Stell D S				-		-				_			_		_	_		Вагтіег	r Correc	tion =	_								
Distance from NSNE to Work Size ID & 6.6 db					<u> </u>	_				_	<u> </u>		-		_	-		_			-	-		<u> </u>					
Distance from NSR to Work Size ID 7				_	<u> </u>	_				_					_			_			-			<u></u>					
Distance From NSR to Work Size 107					ļ																								
Construction Hem				-	 	_							_				<u> </u>	_			_			ļ		ļ			
Description	Distanc	e from NSK to Work Site ID /	107	m	-	Distar	ice Att	enuan	on ≃	-52	ar(A)	_	racad	e =	3	aB(A)	-	Barries	Correc	tion =	U	dB(A)	ļ	 			<u> </u>		-
Description	Constr	l	_	2008			L	l				V00				L.,		-			L))10	ı			i	—-
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18	7	71	U	IN	ט	J	''	⊢M.	Λ	M	-	1	A	<u> </u>	<u> </u>	N	0	J	 	M	^	М	1	 _' -	_^	5	O	N	
	1a		0	n	116	116	116	116	116	115 4	115 4			-	0	0	0	<u> </u>	-	0	_	-	-	-	-	-			
Total SWL 0 0 015 15 15 15 15 15	1b				_	_	_			1	_			_		-	_	_	-	_		-	_		—				
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Company Comp						_			_			-			_	_	_		-	_	_	-	_		_				
Total SWL 0	—	A SUBSE DEVEL AL (45K (UD(A))			- /4	1	1,2	12	12	12	14	"	1	0	۳		-	"	U	U	۳	1	U		۳	<u> </u>	U	U	U
Total SWI, O O O O O O O O O	2	Car Park Paving	n	<u> </u>	n	n	0	ß	_	_	1 0	116	116	116	0	n	<u> </u>	0	n	0	_		_	^	_	_	_		_
Noise Level at NSR (dB(A)) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0						_	_		_		1	_	_				_		_					_			_	_	_
3 Pilling Works 3a Pilling works 5a Pilling works 6a Pill					_	_			_	_	_		-		ļ —	_			+	_	_	_		-		_			
Pling works Description				<u> </u>	ت	ا		 -	<u> </u>	Ť	Ť	<u> </u>	- <u>-</u>		,	-	۳	Ť	Ť		<u> </u>	<u> </u>	۲	<u> </u>			ľ	-	-
Pling works Description	3	Building Works					<u> </u>				T											\vdash				\vdash		-	
Secondation and tanking	3a		n	n	1	1	n	n	ß	n	٨	112	n	n	n	0	n	n	n	n	n	0	n	n	n	0			\neg
Se superstructure				_		-		-				·			_		-	-		-					—	-		-	
bulding finishes & internal fitting-out 0		•			_		-		_	_	-				_		-	1		_	_	_	_	_	_				
13d Total SWL 0 0 0 0 0 0 0 0 0	_	•	U	U	U	U	· · ·	U	U	U	U	U	<u>'</u>	U	U	114	114	114	114	U	U	U	U	U	U	U	U	Ü	U
Total SWL 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3d	and a minima mining out	ا ۾ ا	n	n		۱,	٥	_		۸ ا	_ ر	۱,	م ا	۱,	,	_ n		_	,,,	112	110	110	112	117	112	,,,	115	ا ۸
Noise Level at NSR (dB(A)) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Total SWI	0	<u>`</u> _	-	-		Ť			_		_			- <u>`</u>			Ť			_							
## Dredging of Groynes O				-	-	· · · · · ·				_	_		-	-								_	_						
Total SWL 0 0 0 0 0 0 0 0 0	<u> </u>	Noise Level at NSR (dB(A))	U	U	- 0	0	U	0	0	0	0	70	71	71	71	72	72	72	72	71	71	71	71	71	71	71	71	71	0
Total SWL 0 0 0 0 0 0 0 0 0	<u> </u>	Dundaing of Courses			<u> </u>	l _			<u> </u>		<u> </u>				_				L .							<u> </u>	<u> </u>		
Noise Level at NSR (dB(A)) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4				_	_	_			_	1		_				-					_		_					_
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Total SWL 0 0 0 0 0 0 0 0 0	5	Rack filling of Grownes	_	0	_				_		<u> </u>	<u> </u>				-		<u> </u>	***	114	117		<u> </u>	<u> </u>					
Noise Level at NSR (dB(A)) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<u> </u>		_	-	<u> </u>			****								_			_		-			_		_			
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Sa construction of gabion channel 0 0 0 0 0 115 115 115 115 115 115 0 0 0 0		House Level at NOR (dB(A))	U	U	0	-	U	· ·	-	0		- U	U	U		<u> </u>		u	55	90	00	U	U	۲	U.	-0	v	v	
Sa construction of gabion channel 0 0 0 0 0 115 115 115 115 115 115 0 0 0 0	6	Bax Culvert Construction					-																				-		\dashv
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Sc construction of eastern culvert 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-			-						_	_	_						_			_	_				_	_		
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Total SWL 0 0 0 0 0 0 0 0 0		A TONG DEFEN METTOR (MD(P1))	-		<u> </u>	<u> </u>	<u> </u>	~		-	 		,	-	J	-	UU	- 70	30				-50	-	J	-	,	-	-
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Noise Level at NSR (dB(A)) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				_			$\overline{}$	_					-					_	_						_	-		_	_
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OVERALL NOISE LEVEL AT NSR (dB(A)) 0 0 72 72 72 74 74 74 74 75 78 78 77 72 73 73 73 72 74 73 73 73 71 71 71 71 0																							•						
	OVE	RALL NOISE LEVEL AT NSR (dB(A))	0	0	72	72	72	74	74	74	74	75	78	78	77	72	73	73	73	72	74	73	73	73	71	71	71	71	0

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Appe	ndix D4 - Construction Noise As	sessn	nent -	Unm	utigat	ea Sc	enari	O	₩	-	 	<u> </u>			 		-	-				_	<u> </u>					
NCD.	N4, Village House - No.79 Lo Tsz T	-	-	 	 		-	-	-		-	-	-	—	-	-	1	 				├	ļ		-			
NOK:	194, Vittage riouse - No./9 Lo Tsz T	111	1	<u> </u>	-	+	-	<u>. </u>			-			ļ. <u>.</u>	-	-	1					<u> </u>	ļ			<u> </u>		
Diet	to from NER to Notice of Comment			 	C.		r- ·	<u></u>	-	-	-			-	₩								_	<u> </u>				
	ce from NSR to Notional Source Position		L	-	-	ction				traces			L	_	10000	1	<u> </u>	<u> </u>	Ļ			ļ				<u> </u>		
	te from NSR to Work Site ID 1	135			_	nce Att				dB(A)	ļ	Facad		3	dB(A)		_	Correc		0	dB(A)							
	te from NSR to Work Site ID 2	135		-		nce Att				dB(A)	_	Facad		3	dB(A)		_	Correc		0	dB(A)	<u> </u>						
	te from NSR to Work Site ID 3	106	-			nce Att				dB(A)	ļ	Facad		3	dB(A)		_	Correc		0	dB(A)					<u> </u>		
	te from NSR to Work Site ID 4	225		├	_	nce Ati				dB(A)		Facad		3	dB(A)		1	Correc		0	dB(A)							
+	te from NSR to Work Site ID 5	180	_	_	_	nce Att			+	dB(A)	<u> </u>	Facad		3	dB(A)		_	Correc		0	dB(A)	L			ļ			
1	e from NSR to Work Site ID 6a & 6b	óδ	_		-	nce Att			-45			Facad		_3	dB(A)		_	Correc		0	dB(A)							
	re from NSR to Work Site ID 6c & 6d	322	_	<u> </u>		nce Att			-58			Facad		3	dB(A)			Соттес		0	dB(A)							
Distanc	e from NSR to Work Site ID 7	225	m		Distar	nce Att	enuati	on =	-55	dB(A)		Facad	e =	3	dB(A)		Barrier	Correc	tion =	0	dB(A)				-			
					<u> </u>	<u>i </u>							<u> </u>				ļ							j				
	uction Item		2008		ļ					20	209						ļ					20	10					
ID	Activity	0	N	D	1	F	M	_ ^	M	J	J	A	S	0	N	D	J	F	Μ.	۸	М	J	1	^_	S	0	N	D
1	Construction Works on Land		<u> </u>																									
1a	site Formation, construction of seawall	0	0	116	116	116	116	116	115.6	115.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1Ъ	road widening at Ting Kok Road	0	0	115	115	115	115	115	115	115	G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total SWL	0	0	118	118	118	118	118	118	118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Noise Level at NSR (dB(A))	0	0	71	71	71	71	71	71	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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2	Car Park Paving	0	0	0	0	0	0	0	0	0	116	116	116	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total SWL	0	0	0	0	0	0	0	0	0	116	116	116	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<u> </u>	Noise Level at NSR (dB(A))	0	0	0	0	0	0	ō	ō	0	68	68	68	0	0	0	ō	0	0	0	0	0	0	0	0	0	0	0
				Ť	<u> </u>	<u> </u>	Ť	Ť			-~	-			–	- <u>~</u>	Ť	<u> </u>	,				<u> </u>			– *	-	<u> </u>
3	Building Works				 				 	 		1				i —	\vdash	<u> </u>								\vdash		
3a	piling works	0	0	0	_	0	0			<u> </u>	112	-		0		_	L_									\vdash		-
3b	foundation and tanking		1-		0		0	0	0	0	112	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-	0	0	0	0	0	0	0	0	0	0	0	113	113	113	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3c	superstructure	0	0	0	0	0	0	. 0	0	0	0	. 0	0	0	114	114	114	114	0	0	0	0	0	. 0	0	0	0	0
3d	building finishes & internal fitting-out																											
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	113	113	113	113	113	113	113	113	113	0
	Total SWL	0	0	0	0	0	0	0	0	0	112	113	113	113	114	114	114	114	113	113	113	113	113	113	113	113	113	0
	Noise Level at NSR (dB(A))	0	0	0	0	0	0	0	0	0	66	68	68	68	69	69	69	69	67	67	67	67	67	67	67	67	67	0
			\vdash						-										-									
4	Dredging of Groynes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	116	116	0	0	0	0	0	0	0	0		0	0
F	Total SWL	-0-	0	0	0	0	0	0	0	0	0	0	0	0	0	116	116	0	0	0	0	0	0	0	0	0	0	0
—	Noise Level at NSR (dB(A))	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64	64	0	0	0	0	0	0	0	0	0	0	0
	House Level at Now (dB(A))		U	ļ.,	- " -	 	<u>`</u>	<u> </u>	-	-	۳-	-	U	U	U	0-1	04	_ ''	- "	U	U	v	U	U	U	U	U	
5	Rock filling of Groynes	•		_			_	-	-	<u> </u>			_	_		-		12.0	11/	117								_
F	Total SWL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	116	116	116	0	0	0	0	0	0	0	0
				0	0	0	0	0	0	0	0	0	0	0	0	0	0	116	116	116	0	0	0	0	0	0	0	0
\vdash	Noise Level at NSR (dB(A))	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	66	66	66	0	0	0	0	0	0	0	0
6	Box Culvert Construction			<u> </u>		ļ	 		<u> </u>	<u> </u>		 				<u> </u>										\vdash		
-			_		_	<u> </u>								_			<u> </u>						ļ					
6a	construction of gabion channel	0	0	0	0	0	115	115	115	115	115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<u></u>	Noise Level at NSR (dB(A))	0	0	0	0	0	73	73	73	73	73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6b	construction of western culvert	0	0	0	0	0	0	0	0	0	0	121	121	121	0	0	0	0	0	0	0	0	0	0	0	_ 0	0	0
	Noise Level at NSR (dB(A))	0	0	0	0	0	0	0	0	0	0	80	80	80	0	0	0	0	0	0	0	0	0	0	0	Ð	0	0
6c	construction of eastern culvert	0	0	0	0	0	0	0	0	0	0	0	0	0	109	0	0	0	0	0	0	0	0	0	0	0	0	0
	Noise Level at NSR (dB(A))	0	0	0	0	0	Ö	0	0	0	0	0	0	0	54	Ð	0	0	0	0	0	0	0	0	0	0	0	0
6d	construction of 90m box culvert	0	0	0	0	0	0	0	0	0	0	0	0	0	0	111	111	111	111	111	111	111	0	0	0	0	0	0
	Noise Level at NSR (dB(A))	0	0	0	0	0	0	0	0	0	0	0	0	0	0	56	56	56	56	56	56	56	0	0	0	0	0	0
				 					Ė					_		_												$\overline{}$
7	Sand Filling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	117	117	117	117	0	0	0	0	0
	Total SWL	ō	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	117	117	117	117	<u> </u>	0	0	0	0
	Noise Level at NSR (dB(A))	0	0	0	0	0	0	0	0	0	0	0	ō	0	0	0	0	0	0	65	65	65	65	Ů	0	0	0	ŏ
								<u> </u>	<u> </u>	<u> </u>	<u> </u>	ř.		_	\vdash	-		-	-	-		0.0			<u>-</u> -	-	<u> </u>	<u> </u>
OVE	RALL NOISE LEVEL AT NSR (dB(A))	0	0	71	71	71	75	75	75	75	75	80	80	80	69	70	70	70	70	71	70	70	69	67	67	67	67	0
																					-3		 			<u> </u>	+	\dashv
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Construction Noise Assessment(Mitigated Scenario)

Appendix D5 Construction Plant Inventory - Mitigated Scenario

		···········			% of			rection, dl	3(A)	
ID	Activities	Plant	CNP/BS5228 ref.	No. of PME	operating time	SWL, dB(A)	Operating time	No. of Plant	Barrier ⁽³⁾	SWL, dB(A)
1	Construction Works on Land									
1a	site Formation, construction of seawall, ran tanks for grey water system and superstruc - construction of seawall &									
	retaining wall	Mobile crane	(2)	1	80	107	-1	0	-5	101
	-	Excavator	BS TC3-97	1	80	105	-1	0	-5	99
		Lorry, 5.5ton <gross vehicle<br="">weight<38ton</gross>	(1)	3	80	105	-1	5	0	109
	- backfilling	Lorry, 5.5ton <gross td="" vehicle<=""><td></td><td></td><td></td><td></td><td></td><td>Sub-</td><td>Total SWL</td><td>110</td></gross>						Sub-	Total SWL	110
	•	weight<38ton	(1)	3	80	105	-1	5	0	109
		Excavator	BS TC3-97	2	80	105	-1	3	-5	102
		Roller, vibratory	CNP 186	1	50	108	-3	0	0	105
								Sub-	Total SWL	111
	 construction of ramp, staircase, 	Timber sawing machine	CNP 201	2	50	108	-3	3	-5	103
	sump tanks for grey water system	Bar bender and cutter (electric)	CNP 021	3	50	90	-3	5	0	92
	and superstructure foundation	Electrical drill	CNP 065	5	50	98	-3	7	0	102
		Diesel generator	CNP 102	1	100	100	0	0	0	100
		Water pumps (electric)	CNP 281	2	100	88	0	3	0	91
		Vibratory Poker (electric)	_(1)	3	80	102	-1	5	0	106
		Concrete lorry mixers	BS TC6-23	1	80	100	-1	Õ	-5	94
		•							Total SWL	109
1 <i>b</i>	wood midaning at The Kak Bood					MAX	IMUM SWL	FOR WO	RK ID 1a =	111
	road widening at Ting Kok Road - breaking existing road surface	Excavator	BS TC3-97	2	100	105	0	3	-5	103
	4	Cil. or Pil.	(3)			***			Total SWL	103
	 drainage channel construction 	Silent Piler		1	80	100	-1	0	0	99
		Excavator	BS TC3-97	1	80	105	-1	0	-5	99
		Mobile crane	(2)	1	80	107	-1	0 Sub-	-5 Total SWL	101 1 05
	 manhole construction 	Electrical drill	CNP 065	2	50	98	-3	3	0	98
		Diesel generator	CNP 102	2	100	100	0	3	0	103
		Timber sawing machine	CNP 201	1	50	108	-3	0	-5	100
		Bar bender and cutter (electric)	CNP 021	1	50	90	-3	Ó	ō	87
								Sub-	Total SWL	106
	 concreting work 	Concrete lorry mixers	BS TC6-23	1	80	100	-1	0	O	9 9
		Vibratory Poker (electric)	(1)	2	80	102	-1	3	0	104
		•						Sub-	Total SWL	105
	 backfilling and road formation 	Compactor, vibratory	CNP 050	1	50	105	-3	0	0	102
		Road roller	CNP 185	1	50	108	-3	0	0	105
		Excavator	BS TC3-97	1	80	105	-1	0 Sub-	-5 Total SWL	99 107
						MAXI	MUM SWL			107
2	Car Park Paving									
		Lorry, 5.5ton <gross td="" vehicle<=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></gross>								
	 backfilling 	weight<38ton	_(1)	3	80	105	-1	5	0	109
		Excavator	BS TC3-97	2	80	105	-1	3	-5	102
		Roller, vibratory	CNP 186	1	50	108	-3	0	0	105
									Total SWL	111
	 concreting work 	Concrete lorry mixers	BS TC6-23	1	80	100	-1	0	0	99
		Vibratory Poker (electric)	(1)	2	80	102	-1	3	0	104
									Total SWL	105
_					<u> </u>	MAX	UMUM SW	L FOR WO	ORK ID 2 =	111
3	Building Works	art . n	(T)	_						
3a	piling works	Silent piler	(3)	2	80	100	-1	3	0	102
		Excavator	BS TC3-97	1	80	105	-1	0 FOR WO	0	104
						MAXI	MUM SWL	FOR WO	KK ID 3a =	106
3 <i>b</i>	foundation and tanking									
		Mobile crane	⁽²⁾	1	80	107	-1	0	-5	101
		Excavator	BS TC3-97	1	80	105	-1	0	-5	99
		Timber sawing machine	CNP 201	2	50	108	-3	3	-5 -5	103
			CNP 021	3	50	90	-3	5	ō	92
		par bender and cutter (electric)						-	-	
		Bar bender and cutter (electric) Electrical drill		5	50	98	-3	7	0	102
			CNP 065 CNP 102	5 1	50 100	98 100	-3 0	7 0	0 0	102 100
		Electrical drill	CNP 065						0 0 0	102 100 91
		Electrical drill Diesel generator	CNP 065 CNP 102	1	100	100	0	0 3	0	100

Appendix D5 Construction Plant Inventory - Mitigated Scenario

		.			% of		Corr	ection, dl	B(A)	
			CNP/BS5228	No. of	operating	SWL,	Operating	No. of		SWL,
ID	Activities	Plant	ref.	PME	time	dB(A)	time	Plant	Barrier ⁽³⁾	dB(A)
3с	superstructure		(2)						_	
	- superstructure work	Mobile crane		1	80	107	-1	0	-5	101
		Timber sawing machine Bar bender and cutter (electric)	CNP 201 CNP 021	3	50 50	108 90	-3 -3	5 5	-5 0	105 92
		Electrical drill	CNP 065	6	50	98	-ა -3	8	0	103
		Diesel generator	CNP 102	1	100	100	0	ő	0	100
		ŭ						Sub-	Total SWL	109
	 concreting work 	Concrete lorry mixers	BS TC6-23	1	80	100	-1	0	0	99
		Vibratory Poker (electric)	_0	5	80	102	-1	7	0	108
									Total SWL	109
					L	MAX	IMUM SWL	FOR WO	RK 1D 3c =	109
3d	building finishes & internal fitting-out	Mobile crane	_(2)	1	80	107	-1	0	-5	101
	, ,	Timber sawing machine	CNP 201	i	50	108	-3	0	õ	105
		Electrical drill	CNP 065	6	50	98	-3	8	Ö	103
		Diesel generator	CNP 102	1	100	100	0	0	0	100
						Т	OTAL SWL	FOR WO	RK ID 3d =	109
		_								
4	Dredging of Groynes	Excavator	BS TC3-97	2	80	105	-1	3	0	107
		Grab Dredger Derrick lighter	CNP 063 CNP 061	1 1	100 100	112 104	0 0	0	0 0	112 104
ļ		Deller lighter	CIVI OOL	•	100		TOTAL SWL			114
l										
5	Rock filling of Groynes	Lorry, 5.5ton <gross td="" vehicle<=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></gross>								
		weight<38ton	(1)	3	80	105	-1	5	0	109
		Excavator Derrick lighter	BS TC3-97 CNP 061	2 2	80 80	105 104	-1 -1	3 3	-5 -5	102 101
		Deltick lighter	CIVI 001	2	80		TOTAL SWL			110
6	Box Culvert Construction									
6a	construction of gabion channel									
	- excavation & leveling work	Silent piler	(3)	1	80	100	-1	0	0	99
	- CACCIVATION & REVEILING WORK	Excavator	BS TC3-97	2	80	105	-1 -1	3	0	107
		Vibration compactor	CNP 186	1	50	103	-1 -3	0	0	105
				-	00		•	-	Total SWL	110
	- placing of gabion blocks	Lorry, 5.5ton <gross td="" vehicle<=""><td></td><td></td><td></td><td></td><td></td><td>5</td><td>10141 5112</td><td></td></gross>						5	10141 5112	
		weight<38ton	_(1)	1	80	105	-1	0	0	104
		Mobile crane	(2)	1	80	107	-1	0	0	106
									Total SWL	108
	 backfilling work 	Vibratory compactor	CNP 050	1	50	105	-3	0	0	102
		Lorry, 5.5ton <gross vehicle<br="">weight<38ton</gross>	(1)	1	80	105	-1	0	0	104
		Excavator	BS TC3-97	2	80	105	-1	3	-5	102
								Sub	Total SWL	108
						MAX	IMUM SWL	FOR WO	RK ID 6a =	110
6b	construction of western culvert	a.	(II)	_			_	_		
1	- excavation work	Silent piler	⁽³⁾	1	80	100	-1	0	0	99
1		Excavator	BS TC3-97	1	80	105	-1	0 Sub.	0 Total SWL	104 105
1	- construction of culvert	Timber sawing machine	CNP 201	1	50	108	-3	0	0	105
		Electrical drill	CNP 065	2	50	98	-3	3	õ	98
		Diesel generator	CNP 102	2	100	100	0	3	0	103
		Water pumps (electric)	CNP 281	1	100	88	0	0	0	88
		Mobile crane	CNP 048	1	80	107	-1	0	-5 -Total SWL	101 1 0 9
	- demolition of existing culvert	Pneumatic Breaker	BS TC2-10	1	80	110	-1	0	-10tal SWL 0	109
II .	action of Chibing Chivelt	Excavator	BS TC3-97	1	80	105		Ö		
		Excavator	92 1C2-27		00	100	-1	U	-5	99

Appendix D5 Construction Plant Inventory - Mitigated Scenario

<u></u>				<u></u>	% of		Corr	ection, dl	R(A)	
			CNP/BS5228	No. of	operating	SWL,	Operating	No. of	J(21)	SWL.
ID	Activities	Plant	ref.	PME	time	dB(A)	time	Plant	Barrier ⁽³⁾	dB(A)
-	Activities	Lorry, 5.5ton <gross td="" vehicle<=""><td>161.</td><td>LIVIE</td><td>ame</td><td>ub(M)</td><td>titie</td><td>Flant</td><td>Darrier</td><td>ab(A)</td></gross>	161.	LIVIE	ame	ub(M)	titie	Flant	Darrier	ab(A)
	- construction of culvert top slab	weight<38ton	_(1)	3	80	105	-1	5		100
	- construction of emvert top stab		BS TC6-23	1	80 80	105	_		0	109
		Concrete lorry mixers					-1	0	-5	94
		Timber sawing machine	CNP 201	2	50	108	-3	3	0	108
		Bar bender and cutter (electric)	CNP 021	2	50	90	-3	3	0	90
		Vibratory Poker (electric)	(1)	2	80	102	-1	3	0	104
								Sub-	Total SWL	112
	- slope reinstatement	Excavator	BS TC3-97	1	80	105	-1	0	0	104
	- stope renistatement	EXCAVATOR	DS 1C3-97	1	80	100	-1	U	U	104
								Sub-	Total SWL	104
						MAX	MUM SWL	FOR WO	RK ID 6b =	112
6с	construction of eastern culvert									
UL.	•									
	-preparation of concrete slab	771 . A 4 1 AH		_						
	surface	Electrical drill	CNP 065	2	50	98	-3	3	0	98
		Diesel generator	CNP 102	2	100	100	0	3	0	103
		Water pumps (electric)	CNP 281	2	100	88	0	3	0	91
								Suh-	Total SWL	104
	- concreting work	Concrete lorry mixers	BS TC6-23	1	80	100	-1	0	-5	94
		Vibratory Poker (electric)	_(1)	1	80	102	-1	a	0	
		Vibratory Poker (electric)		1	80	102	-1	-	-	101
									Total SWL	102
						MAX.	IMUM SWL	FOR WO	RK ID 6c ≈	104
6d	construction of 90m box culvert									
	- excavation work	Excavator	BS TC3-97	1	80	105		0	-	00
	- excavation work	Excavator	BS 1C3-97	1	80	105	-1		-5	99
								Sub-	Total SWL	99
	 erection of precast panel 		£2)							
	segment	Mobile crane	⁽²⁾	1	80	107	-1	0	-5	101
								Sub-	Total SWL	101
	 construction of top and bottom 									
	slab	Timber sawing machine	CNP 201	1	50	108	-3	0	-5	100
	•	Bar bender and cutter (electric)	CNP 021	1	50	90	-3	0	-5	82
		Electrical drill	CNP 065	2	50	98	-3	3	-5	93
		Diesel generator	CNP 102	2	100	100	0	3	-5	98
		· ·						Sub-	Total SWL	103
	- concreting work	Vibratory Poker (electric)	_(1)	2	80	102	-1	3	-5	99
	TOTAL STATE WOLK	Concrete lorry mixers	CNP 044	1	80	102	-1 -1	0	-5 -5	99
1		Concrete forty fluxers	CTAL 0.443	1	ou.	100	-1	-	_	
		C	CAMBOLE	-					Total SWL	100
	-screeding work	Concrete mixer	CNP 045	1	80	96	-1	0	-5	90
		Diesel generator	CNP 102	2	100	100	0	3	-5	98
								Sub-	Total SWL	99
l		Lorry, 5.5ton <gross td="" vehicle<=""><td>41)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></gross>	41)							
	- backfilling	weight<38ton	(1)	1	80	105	-1	0	-5	99
		Vibratory compactor	CNP 050	1	50	105	-3	0	-5	97
								Sub-	Total SWL	101
						MAX	MUM SWL			103
7	Sand Filling	Pelican barge	CNP 061	1	100	104	0	0	0	104
	•	Excavator	BS TC3-97	2	80	105	-1	3	-5	102
		Tracked Loader	BS TC3-16	2	80	103	-1 -1	3	0	106
		Trucked Loader	PD 100-10	-	- T					
					L	MA	IMUM SWI	. FOR W	JKK ID7≃	109

⁽¹⁾ SWL refer to the document prepared by the Noise Control Authority (http://www.epd.gov.hk/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf)
(2) SWL refer to data base of quality powered mechanical equipment prepared by the Noise Control Authority (http://www.epd.gov.hk/cgi-bin/npg/qpme/search_gen.pl?lang=eng&st=sim&smtype=0)
(3) Reference was made to MTRC Contract C4420 Tsim Sha Tsui Station Modification, Variation of Environmental Permit, Noise assessment of GIKEN silent piler system.
(4) Barrier attenuation is obtained from site hoarding or movable noise barrier.

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Appen	1d1x 1)5 -	Construction Noise As	sessm	ent -	Milig	gated	Scena	ario	ļ																<u> </u>	<u> </u>		·	
NOD	274 77177					<u> </u>					ļ														<u> </u>				
NSR:	N1, Villa	ge House - No.165A Lung	Меі		ļ											ļ									<u> </u>		<u> </u>		
							<u> </u>				L.,						<u> </u>												
<u>Distanc</u>	e from NSI	to Notional Source Position	<u> </u>			Corre	ction	Factor	<u>r</u>											1					(
Distance	e from NSR	to Work Site ID 1	106	m		Distan	ice Att	enuatio	on =	-49	dB(A)		Facad	e =	3	dB(A)		Barrier	Correc	tion =	0	dB(A)	i						
Distance	e from NSR	to Work Site ID 2	176	m		Distan	ice Att	enuati	on =	-53	dB(A)		Facad	e =	3	dB(A)		Barrier	Correc	tion =	0	dB(A)							
Distance	e from NSR	to Work Site ID 3	118	m	l	Distan	ice Att	enuatio	on=	-49	dB(A)		Facad	e =	3	dB(A)		Barrier	Согтес	tion =	0	dB(A)							
Distance	e from NSR	to Work Site ID 4	124	m		Distan	ice Att	enuatio	on =	-50	dB(A)		Facad	e =	3	dB(A)		Barrier	Согтес	tion =	0	dB(A)							
Distance	e from NSR	to Work Site ID 5	68	m		Distan	ice Att	enuatio	on=	-45	dB(A)		Facad	e=	3	dB(A)		Barrier	Correc	tion =	0	dB(A)							
Distance	e from NSR	to Work Site ID 6a & 6b	290	192		Distan	ice Att	enuatio	on =	-57	dB(A)		Facad	e =	3	dB(A)		Barrier			0	dB(A)				\vdash			
		to Work Site ID 6c & 6d	29	m		Distan				_	dB(A)		Facad		3	dB(A)	-	Barrier			0	dB(A)							
		to Work Site ID 7	124	m		Distan				1	dB(A)		Facad		3	dB(A)	-	Barrier			0	dB(A)			\vdash				
			- 1		1		T	1	ī —	 				- -	١Ť	1121217		Dintici	Conce	1011		112/217			<u> </u>				
Constr	uction Ite	m		2008			L				20	vico .											70	10 110			L	i	
	Activity	<u> </u>		_	١	-			١.	٠			١				 -					1 1	- 20	10			1		
			0	N	D	J	F	M	Λ	M	J	J	Λ	S	0	N	D	}	F	M		М	J	J	Α	S	0	N	D
		ion Works on Land					ļ.,	<u> </u>		<u> </u>			<u> </u>													\sqcup			
		tion, construction of seawall,	0	0	1111	111	111	111	111	110.9	110.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1b	road wide	ning at Ting Kok Road	0	0	107	107	107	107	107	107	107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Total SWL	0	0	113	113	113	113	113	113	113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Noise Level at NSR (dB(A))	0	0	67	67	67	67	67	67	67	D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1								1									T					• •						
2	Car Park l	Paving	0	0	0	0	0	0	0	0	0	111	111	111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	a
		Total SWL	0	0	0	0	0	0	0	0	0	111	111	111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	n
$\vdash \neg$	†	Noise Level at NSR (dB(A))	0	0	0	0	0	0	0	0	_			61	0					_								_	
\vdash		TOISE LEVEL AT NOR (GB(A))	U	U	0	, v	<u> </u>	- -	U	U	0	61	61	- 01	- '	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<u> </u>	Building V	Varke			_			├			\vdash	_								$\vdash \vdash$				\vdash	\vdash	$\vdash \vdash$		\vdash	
F							<u> </u>	ļ	 					L	<u> </u>					\sqcup					لـــــا	 		igspace	
	piling wor		0	0	0	C	0	0	0	0	0	106	0	0	0	0	O	0	0	0	0	0	0	0	0	0	0	0	0
3b	foundation	r and tanking	0	0	0	0	0	0	0	0	0	0	108	108	108	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3c	superstruc	ture	0	0	0	0	0	0	0	0	0	0	0	0	0	109	109	109	109	0	0	0	0	0	0	0	0	0	0
-	building fi	nishes & internal fitting-out			 	<u> </u>	Ť	Ť	Ť	Ť	ات		<u> </u>			107	107	107	107			-		Ť		ات	"		<u> </u>
3d			0	0	₀	o	0	0	0	ا ا	ا ر	o	0	0	0	0	0	o	0	109	109	109	109	109	109	109	109	109	0
	-	Total SWL					<u> </u>		_	<u> </u>	1		_										$\overline{}$	$\overline{}$	-		-		
			0	0	0	0	0	0	0	0	0	106	108	108	108	109	109	109	109	109	109	109	109	109	109	109	109	109	0_
		Noise Level at NSR (dB(A))	O	0	0	0	0	0	0	0	0	60	61	61	61	62	62	62	62	62	62	62	62	62	62	62	62	62	0
1 1																		T											
4	Dredging o	f Groynes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	114	114	0	0	0	0	0	0	0	0	0	0	0
		Total SWL	0	0	ō	0	0	0	0	0	0	0	0	0	ö	0	114	114	ō	0	0	ō	ō	0	0	0	0	0	0
\vdash		Noise Level at NSR (dB(A))	0	0	0	0	0	0	0	0	0	0	0	0	0	0	67	67	0	0	0	0	0	0	0	0	0	0	0
	<u>-</u>	Deter at 14DIX (MD(M))	-		-	-	<u>`</u>	-	<u> </u>	<u> </u>	┝╌┸┈┤	-		v	v												-		
5	Rock fillin	g of Grounes	-	0	0		-			1						-					-				, 1				
			0 (u				۱ ۸ ٔ							0														
	ı				_	0	0	0	0	0	0	0	0	0	0	0	0	0	110	110	110	0	0	0	0	0	0	0	0
1 1		Total SWL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	110 110	110 110	110 110	0	0	0	0	O	0	0	ŋ
<u> </u>		Noise Level at NSR (dB(A))	0		_								$\overline{}$			0	0	0	110	110	110	$\overline{}$	0	0	$\overline{}$				
		Noise Level at NSR (dB(A))	$\overline{}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	110 110	110 110	110 110	0	0	0	0	O	0	0	ŋ
6			$\overline{}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	110 110	110 110	110 110	0	0	0	0	O	0	0	ŋ
	Box Culve	Noise Level at NSR (dB(A))	$\overline{}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	110 110	110 110	110 110	0	0	0	0	O	0	0	ŋ
	Box Culve	Noise Level at NSR (dB(A)) rt Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0	0 0	0 0 0	110 110 69	110 110 69	110 110 69	0	0 0	0 0	0	0	0	0	0
6a	Box Culve construction	Noise Level at NSR (dB(A)) The Construction on of gabion channel (Moise Level at NSR (dB(A))	0	0 0	0 0	0 0 0	0	0 0 110 55	0 0 110 55	0 0 110 55	0 0 110 55	0 0 110 55	0	0	0 0	0 0 0	0 0 0	0 0 0	110 110 69 0	110 110 69 0	110 110 69 0	0 0	0 0	0 0 0	0	0 0	0 0 0	0 0	0
6a	Box Culver construction	Noise Level at NSR (dB(A)) In Construction on of gabion channel Noise Level at NSR (dB(A)) on of western culvert	0 0 0	0 0 0 0	0 0 0 0	0 0 0	0 0 0	0 0 110 55 0	0 0 110 55 0	0 0 110 55 0	0 0 110 55 0	110 55 0	0 0 0 0 0	0 0 0 0 112	0 0 0 0 112	0 0 0 0	0 0 0 0 0	0 0 0 0	110 110 69 0 0	110 110 69 0 0	110 110 69 0 0	0 0 0 0	0 0 0 0 0	0 0 0	0 0 0	0 0	0 0 0 0 0	0 0 0 0 0	0 0 0
6a 6b	Box Culver construction construction	Noise Level at NSR (dB(A)) In Construction on of gabion channel Noise Level at NSR (dB(A)) on of western culvert Noise Level at NSR (dB(A))	0 0 0	0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 110 55 0	110 55 0	110 55 0	0 0 110 55 0	0 0 110 55 0	0 0 0 0 0 112 58	0 0 0 0 112 58	0 0 0 0 112 58	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	110 110 69 0 0	110 110 69 0 0 0 0 0 0 0 0 0	110 110 69 0 0	0 0 0	0 0 0 0 0	0 0 0 0	0 0 0 0 0 0	0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0
6a 6b	Box Culver construction construction	Noise Level at NSR (dB(A)) or Construction on of gabion channel Noise Level at NSR (dB(A)) on of western culvert Noise Level at NSR (dB(A)) on of eastern culvert	0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 110 55 0 0	110 55 0	110 55 0	0 0 110 55 0 0	0 0 110 55 0 0	0 0 0 0 112 58	0 0 0 0 112 58	0 0 0 0 112 58	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	110 110 69 0 0 0	110 110 69 0 0 0 0 0 0 0 0 0	110 110 69 0 0 0	0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0
6a 6b 6c	Box Culves constructio	Noise Level at NSR (dB(A)) or Construction or of gabion channel Noise Level at NSR (dB(A)) or of western culvert Noise Level at NSR (dB(A)) or of eastern culvert Noise Level at NSR (dB(A))	0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 110 55 0 0	110 55 0 0	110 55 0 0	0 0 110 55 0 0	0 0 110 55 0 0 0	0 0 0 0 112 58 0	0 0 0 0 112 58 0	0 0 0 112 58 0	0 0 0 0 0 0 0 104 70	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	110 110 69 0 0 0 0	110 110 69 0 0 0 0 0 0 0 0 0	110 110 69 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0
6a 6b 6c	Box Culves constructio constructio constructio constructio	Noise Level at NSR (dB(A)) or Construction or of gabion channel Noise Level at NSR (dB(A)) or of western culvert Noise Level at NSR (dB(A)) or of eastern culvert Noise Level at NSR (dB(A))	0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 110 55 0 0 0	110 55 0 0 0	110 55 0 0 0	0 0 110 55 0 0 0	110 55 0 0 0	0 0 0 0 112 58 0 0	0 0 0 0 112 58 0 0	0 0 0 112 58 0 0	0 0 0 0 0 0 0 0 104 70	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	110 110 69 0 0 0 0 0 0	110 110 69 0 0 0 0 0 0	110 110 69 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0
6a 6b 6c	Box Culves constructio constructio constructio constructio	Noise Level at NSR (dB(A)) or Construction or of gabion channel Noise Level at NSR (dB(A)) or of western culvert Noise Level at NSR (dB(A)) or of eastern culvert Noise Level at NSR (dB(A))	0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 110 55 0 0	110 55 0 0	110 55 0 0	0 0 110 55 0 0	0 0 110 55 0 0 0	0 0 0 0 112 58 0	0 0 0 0 112 58 0	0 0 0 112 58 0	0 0 0 0 0 0 0 104 70	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	110 110 69 0 0 0 0	110 110 69 0 0 0 0 0 0 0 0 0	110 110 69 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0
6a 6b 6c 6d	Box Culve: construction construction construction construction	Noise Level at NSR (dB(A)) of Construction on of gabion channel Noise Level at NSR (dB(A)) on of western culvert Noise Level at NSR (dB(A)) on of eastern culvert Noise Level at NSR (dB(A)) on of 90m box culvert Noise Level at NSR (dB(A))	0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 110 55 0 0 0	110 55 0 0 0	110 55 0 0 0	0 0 110 55 0 0 0	110 55 0 0 0	0 0 0 0 112 58 0 0	0 0 0 0 112 58 0 0	0 0 0 112 58 0 0	0 0 0 0 0 0 0 0 104 70	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	110 110 69 0 0 0 0 0 0	110 110 69 0 0 0 0 0 0	110 110 69 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0
6a 6b 6c 6d	Box Culves constructio constructio constructio constructio	Noise Level at NSR (dB(A)) of Construction on of gabion channel Noise Level at NSR (dB(A)) on of western culvert Noise Level at NSR (dB(A)) on of eastern culvert Noise Level at NSR (dB(A)) on of 90m box culvert Noise Level at NSR (dB(A))	0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 110 55 0 0 0	110 55 0 0 0	110 55 0 0 0	0 0 110 55 0 0 0	110 55 0 0 0	0 0 0 0 112 58 0 0	0 0 0 0 112 58 0 0	0 0 0 112 58 0 0	0 0 0 0 0 0 0 104 70	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	110 110 69 0 0 0 0 0 0	110 110 69 0 0 0 0 0 0	110 110 69 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0
6a 6b 6c 6d	Box Culve: construction construction construction construction	Noise Level at NSR (dB(A)) of Construction on of gabion channel Noise Level at NSR (dB(A)) on of western culvert Noise Level at NSR (dB(A)) on of eastern culvert Noise Level at NSR (dB(A)) on of 90m box culvert Noise Level at NSR (dB(A))	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 110 55 0 0 0	110 55 0 0 0	110 55 0 0 0 0	110 55 0 0 0 0	0 0 110 55 0 0 0 0	0 0 0 112 58 0 0	0 0 0 112 58 0 0	0 0 0 112 58 0 0	0 0 0 0 0 0 0 104 70 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 103 68	110 110 69 0 0 0 0 0 0 103 68	110 110 110 69 0 0 0 0 0 0 103 68	110 110 69 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0
6a 6b 6c 6d	Box Culver construction construction construction construction construction	Noise Level at NSR (dB(A)) or Construction on of gabion channel Noise Level at NSR (dB(A)) on of western culvert Noise Level at NSR (dB(A)) on of eastern culvert Noise Level at NSR (dB(A)) on of 90m box culvert Noise Level at NSR (dB(A))	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 110 55 0 0 0 0	110 55 0 0 0 0	110 55 0 0 0 0	0 0 110 55 0 0 0 0 0	0 0 110 55 0 0 0 0 0	0 0 0 112 58 0 0 0	0 0 0 112 58 0 0 0	0 0 0 112 58 0 0	0 0 0 0 0 0 0 0 104 70 0	0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 103 68	110 110 69 0 0 0 0 0 103 68	110 110 69 0 0 0 0 0 0 0 103 68 0 0	110 110 69 0 0 0 0 0 0 0 103 68	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0
6a 6b 6c 6d	Box Culver construction construction construction construction construction	Noise Level at NSR (dB(A)) or Construction on of gabion channel Noise Level at NSR (dB(A)) on of western culvert Noise Level at NSR (dB(A)) on of eastern culvert Noise Level at NSR (dB(A)) on of 90m box culvert Noise Level at NSR (dB(A))	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 110 55 0 0 0 0	0 0 110 55 0 0 0 0	110 55 0 0 0 0 0	0 0 110 55 0 0 0 0 0 0	0 0 110 55 0 0 0 0 0	0 0 0 112 58 0 0 0	0 0 0 112 58 0 0 0	0 0 0 112 58 0 0 0	0 0 0 0 0 0 0 104 70 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 103 68	110 110 69 0 0 0 0 0 0 103 68	110 110 69 0 0 0 0 0 0 103 68 0 0	110 110 69 0 0 0 0 0 0 0 0 103 68	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0
6a 6b 6c 6d 7	Bax Culver constructio constructio constructio constructio	Noise Level at NSR (dB(A)) or Construction or of gabion channel Noise Level at NSR (dB(A)) or of western culvert Noise Level at NSR (dB(A)) or of eastern culvert Noise Level at NSR (dB(A)) or of 90m box culvert Noise Level at NSR (dB(A)) g Total SWL Noise Level at NSR (dB(A))	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 110 55 0 0 0 0 0	0 0 0 55 0 0 0 0 0	0 0 110 55 0 0 0 0 0	110 55 0 0 0 0 0 0 0 0	0 0 0 110 55 0 0 0 0 0 0	0 0 0 112 58 0 0 0 0	0 0 0 112 58 0 0 0 0	0 0 0 112 58 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 103 68 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	110 110 69 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	110 110 69 0 0 0 0 0 0 103 68 109 109 62	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0
6a 6b 6c 6d 7	Bax Culver constructio constructio constructio constructio	Noise Level at NSR (dB(A)) or Construction on of gabion channel Noise Level at NSR (dB(A)) on of western culvert Noise Level at NSR (dB(A)) on of eastern culvert Noise Level at NSR (dB(A)) on of 90m box culvert Noise Level at NSR (dB(A))	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 110 55 0 0 0 0	0 0 110 55 0 0 0 0	110 55 0 0 0 0 0	0 0 110 55 0 0 0 0 0 0	0 0 110 55 0 0 0 0 0	0 0 0 112 58 0 0 0	0 0 0 112 58 0 0 0	0 0 0 112 58 0 0 0	0 0 0 0 0 0 0 104 70 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 103 68	110 110 69 0 0 0 0 0 0 103 68	110 110 69 0 0 0 0 0 0 103 68 0 0	110 110 69 0 0 0 0 0 0 0 0 103 68	0 0 0 0 0 0 0 0 0 0 0 103 68	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0
6a 6b 6c 6d 7	Bax Culver constructio constructio constructio constructio	Noise Level at NSR (dB(A)) or Construction or of gabion channel Noise Level at NSR (dB(A)) or of western culvert Noise Level at NSR (dB(A)) or of eastern culvert Noise Level at NSR (dB(A)) or of 90m box culvert Noise Level at NSR (dB(A)) g Total SWL Noise Level at NSR (dB(A))	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 110 55 0 0 0 0 0	0 0 0 55 0 0 0 0 0	0 0 110 55 0 0 0 0 0	110 55 0 0 0 0 0 0 0 0	0 0 0 110 55 0 0 0 0 0 0	0 0 0 112 58 0 0 0 0	0 0 0 112 58 0 0 0 0	0 0 0 112 58 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 103 68 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	110 110 69 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	110 110 69 0 0 0 0 0 0 103 68 109 109 62	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0

Anner	ndix D5 - Construction Noise As	cacer	nont -	Mista	ratad	Coon		1	Т	T			_		1			1	1	1	1	F		1		T		
Apper	Noise As	568511	lent-	WIIII	galeu	l	ario.			-	-		 	-	 				-					-				
NSR:	N2, Village House - No.103 Lung M	lei					├	-				-	-		-			-					├	 		-		
11011	1127 VILLEGE TORSE - TVD:100 Liking 191	1	-				 		1			-	-		-				-				-		1			
Distanc	e from NSR to Notional Source Position	<u>!</u>			Corre	ction	Factor	<u> </u>	-			\vdash			+			 				-	-					
	e from NSR to Work Site ID 1	80	111	-	_	_	enuation		16	dB(A)	-	Facad	<u> </u>	3	dB(A)		h ·			0	Jn/Al		<u> </u>			-		-
	e from NSR to Work Site ID 2	128	m		_		enuatio			dB(A)		-					_	Correc		_	dB(A)	—	-	-		<u>. </u>		
	e from NSR to Work Site ID 3	94	111	-	_		ennatio			dB(A)		Facad Facad		3	dB(A)		_	Correc		0	dB(A) dB(A)		-		-	ļ		
	e from NSR to Work Site ID 4	135	111				enuatio			dB(A)					_	 	_	Correc								-		
	e from NSR to Work Site ID 5	90	111	<u> </u>			enuatio			dB(A)		Facad Facad		3	dB(A)	-	_	Correc		0	dB(A)	_						
	e from NSR to Work Site ID 6a & 6b	246		-	1									<u> </u>				Correc		0	dB(A)			_				
	e from NSR to Work Site ID 6c & 6d	70	711		_		enuatio		_	dB(A)		Facad		3	dB(A)	-	_	Correc		0	dB(A)		_					
	e from NSR to Work Site ID 7	-	III				envati		_	dB(A)	ļ	Facad		3	dB(A)		_	Correc		0	dB(A)		_					
Distanti	e from NSK to Work Site ID 7	135	HI		Distar	ice Att	enuatio	on =	-51	dB(A)		Facad	le =	3	dB(A)		Barrier	Correc	tion =	0	dB(A)							-
Consta	uction Item		- Annual		-		Ь			L					<u></u>		-	L		1			<u></u>			L		
			2008							1)09	т—		1	_		_	_		r	1	20	010					
ID	Activity	0	N	D	ı	F	M	Λ	М		ı	Α	S	0	N	D	1	F	М	Λ	M	J	J	Λ	S	0	N	D
1	Construction Works on Land			<u> </u>								<u></u>																
1a	site Formation, construction of seawall	0	0	111	111	111	111	111	110.9	110.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	O
1b	road widening at Ting Kok Road	0	0	107	107	107	107	107	107	107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L	Total SWL		0	113	113	113	113	113	113	113	0	0	0	0	0	0	. 0	0	0	0	0	0	0	0	0	0	0	0
	Noise Level at NSR (dB(A))	0	0	69	69	69	69	69	69	69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Car Park Paving	0	0	0	0	0	0	0	0	0	111	111	111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total SWL	0	0	0	0	0	0	0	0	0	111	111	111	0	O	0	0	0	0	0	0	0	0	0	0	0	0	0
	Noise Level at NSR (dB(A))	. 0	0	0	0	0	0	0	0	0	64	64	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		·								T"				l									<u> </u>					
3	Building Works																											
3a	piling works	0	0	n	0	0	0	0	0	0	106	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	foundation and tanking	0	0	0	0	0	0	0	0	0	0	108	+			0	0	0	0	0			_	0			_	_
3c	superstructure			_	_	_	-			 	_		108	108	0	_					0	0	0		0	0	0	0
SC.		0	0	0	0	0	0	0	0	0	0	0	0	0	109	109	109	109	0	0	0	0	0	0	0	0	0	0
3d	building finishes & internal fitting-out	_	_	_ ا	ا ہا	ا ا	١.	_ ا		_	_ ا		_	_	_	_ ا	_	۱.			l							ا ِ ا
<u> </u>	77,1700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	109	109	109	109	109	109	109	109	109	0
	Total SWL	0	0	0	0	0	0	0	0	0	106	108	108	108	109	109	109	109	109	109	109	109	109	109	109	109	109	0
	Noise Level at NSR (dB(A))	0	0	0	0	Ð	0	0	0	0	62	63	63	63	64	64	64	64	64	64	64	64	64	64	64	64	64	0
										,																		
4	Dredging of Groynes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	114	114	0	0	0	0	0	0	0	0	0	0	0
	Total SWL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	114	714	0	0	0	0	0	0	0	0	0	0	ō
	Noise Level at NSR (dB(A))	0	0	0	0	0	0	-0	0	0	0	0	0	0	0	66	66	0	0	0	0	0	0	0	0	0	0	0
	""				_						_	-	Ė		 						1		-	Ť				
5	Rock filling of Groynes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	110	110	110	0	0	0	0	0	0	0	_
	Total SWL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	110	110	110	0	0	0	0	0	0	0	0
	Noise Level at NSR (dB(A))		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	66	66	66	0	0	0	0	0	0	0	0
					<u> </u>	Ť	Ť	<u> </u>	ت ا		Ť	<u> </u>	T .		<u> </u>	<u> </u>	اٹ∣	- 30	- 30		Ť	<u> </u>	<u> </u>			<u> </u>		
6	Box Culvert Construction									\vdash							\vdash	_	_		\vdash	_	_		-			
_	construction of gabion channel	0	0	0	0	0	110	110	110	110	110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
oa	Noise Level at NSR (dB(A))	0	0	0	0	0	57	57	57	57	57	0	o o	0	0	0	0	0	0	0	0		0	0	0		0	
6h				0	0							112							_			0				0		-0
6b	construction of western culvert Noise Level at NSR (dB(A))	0	0			0	0	0	0	0	0		112	112	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				0	0	0	0	0	0	0	0	59	59	59	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6c	construction of eastern culvert	0	0	0	0	0	0	0	0	0	0	0	0	0	104	0	0	0	0	0	0	0	0	0	0	0	0	0
 	Noise Level at NSR (dB(A))		0	0	0	0	0	0	0	0	0	0	0	0	63	0	0	0	0	0	0	0	0	0	0	O	0	0
6d	construction of 90m box culvert	0	0	0	0	0	0	0	0	0	0	0	0	0	0	103	103	103	103	103	103	103	0	0	0	0	0	0
	Noise Level at NSR (dB(A))	0	0	0	0	0	0	0	0	0	0	0	0	. 0	0	61	61	61	61	61	61	61	0	0	0	0	0	0
<u> </u>																	L											
7	Sand Filling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	109	109	109	109	0	0	0	0	0
	Total SWL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	109	109	109	109	0	0	0	0	.0
	Noise Level at NSR (dB(A))	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61	61	61	61	0	0	0	0	0
OVE	RALL NOISE LEVEL AT NSR (dB(A))	0	0	69	69	69	70	70	70	70	66	67	67	65	66	69	69	69	69	70	67	67	66	64	64	64	64	0
]																												

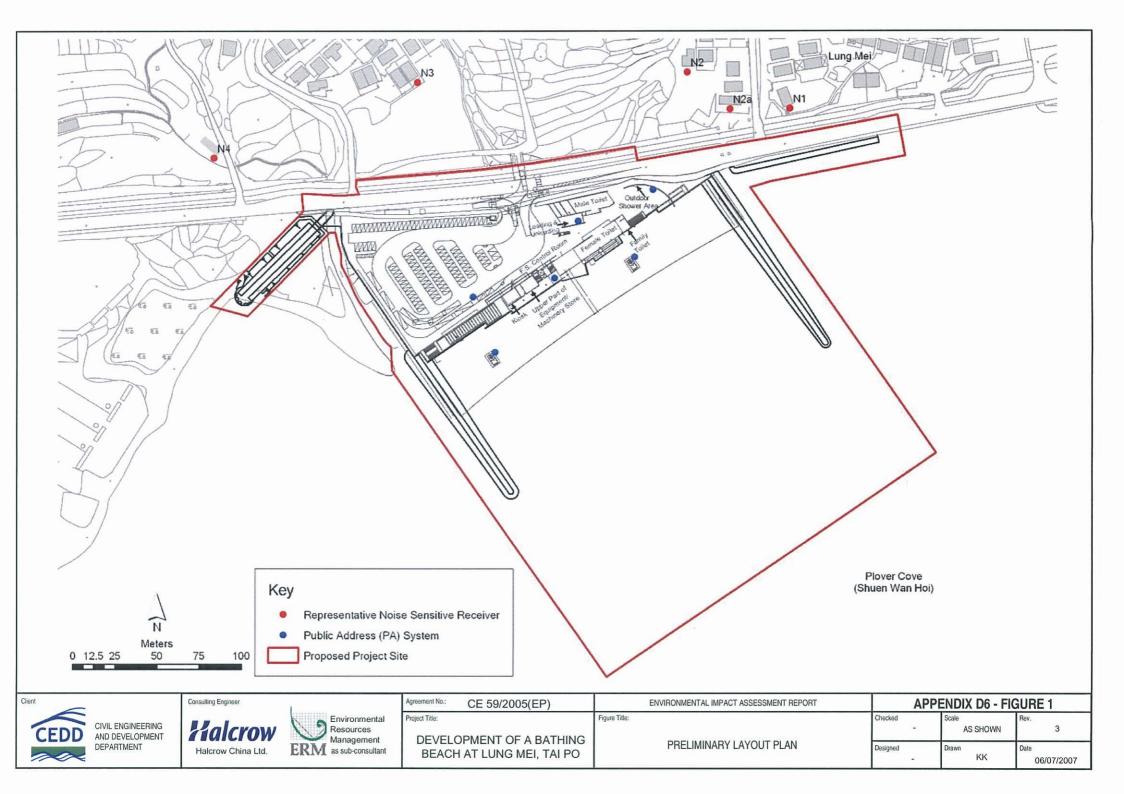
Anna	adiv DE Construction Noise As			XA:C.		C		T		1	1		1			i	1									т—		
Apper	ndix D5 - Construction Noise As	sessn	ient -	INTIETS	gatec	Scena	ario									-	-				-		 					
NSR:	NA TI N- 101 I M-1					-	├			-	_						 				_					<u> </u>		
NSIC	N2a, House - No.101 Lung Mei					_	ļ.									<u> </u>	<u> </u>		1				<u> </u>			<u> </u>		
-					_	L.	<u> </u>			<u> </u>		<u> </u>							<u> </u>									\Box
	ce from NSR to Notional Source Position				_	ction															L							
	e from NSR to Work Site ID 1	77	m		_	nce Att			_	dB(A)		Facad	e =	3	dB(A)		Barrier	Correc	tion =	0	dB(A)							
	e from NSR to Work Site ID 2	140	<i>191</i>		Distar	nce Att	enuatio	on =	-51	dB(A)		Facad	e =	3	dB(A)		Barrier	Correc	tion =	0	dB(A)							
Distanc	e from NSR to Work Site ID 3	89	m		Distar	nce Atb	enuatio	on =	-47	dB(A)		Facad	e =	3	dB(A)		Barrier	Correc	tion =	0	dB(A)							
Distanc	e from NSR to Work Site ID 4	122	m		Distar	nce Att	enuatio	on =	-50	dB(A)		Facad	e =	3	dB(A)		Barrier	Correc	tion =	0	dB(A)							
Distanc	e from NSR to Work Site ID 5	90	m		Distar	nce Ath	enuatio	on =	-47	dB(A)		Facad	e =	3	dB(A)		Barrier	Correc	tion =	0	dB(A)							
Distanc	e from NSR to Work Site ID 6a & 6b	261	m		Distar	nce Att	enuatio	on =		dB(A)		Facad		3	dB(A)			Correc		0	dB(A)							
Distanc	e from NSR to Work Site ID 6c & 6d	55	т		_	ice Att			_	dB(A)		Facad		3	dB(A)		+	Correc		0	dB(A)		l					
	e from NSR to Work Site ID 7	722	m	_	-	ice Att				dB(A)		Facad		3	dB(A)			Correc		0	dB(A)				 	 		
			- ""					T	- 55	1101717		I acad	-	-	112(11)		Danner	Carrec	non-	۲	120(21)		 	-		 		
Constr	uction Item		2008					I		70	109				<u> </u>	i	-				1							
		_			<u> </u>										_	_	-	_		_	_	20)10			_		
ID	Activity	0	N	D	Ţ	F	M	Α.	М)	J.	Λ_	S	0	N	D	1	F	M	Α	М	J	J	Α	S	0	N	Ð
1	Construction Works on Land			L																								
1a	site Formation, construction of seawall,	0	0	111	111	111	111	111	110.9	110.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Ð	0	0
1b	road widening at Ting Kok Road	0	0	107	107	107	107	107	107	107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Û	0
	Total SWL	0	0	113	113	113	113	113	113	113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Noise Level at NSR (dB(A))	0	0	70	70	70	70	70	70	70	0	0	0	0	ō	ō	0	0	0	0	0	0	0	0	0	0	0	0
					<u> </u>	<u> </u>	<u> </u>	† <u> </u>			<u> </u>	Ť	<u> </u>	Ť	Ť	Ť		Ť	— <u> </u>	Ť	۳	۱Ť	Ť	<u> </u>	Ť	Ť	-	Ť
2	Car Park Paving	0	0	0	0	0	0	0	0	0	111	111	111	0	0	0	0	0	0	0	0	0	0		0	0	0	0
ř –	Total SWL	0	0	0	0	0	0	0	0	0	111		111		_		_			_	_			0		_		
<u> </u>	!						_	·		_	_	111		0	0	0	0	0	0	0	0	0	0	0	0	. 0	0	0
	Noise Level at NSR (dB(A))	0	0	0	0	0	0	0	0	0	63	63	63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<u> </u>	D 11: 117 1				ļ				L																			
3	Building Works						<u></u>								<u> </u>						L				L	L		
3a	piling works	0	0	0	0	0	0	0	0	0	106	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3b	foundation and tanking	0	0	0	0	0	0	0	0	0	0	108	108	108	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3c	superstructure	0	0	0	0	0	0	0	0	0	_			-		_	_	_			-		-					
Jr.		U	U	U	U	U	U	0	0	Ü	0	0	0	0	109	109	109	109	0	0	0	0	0	0	0	0	0	0
3d	building finishes & internal fitting-out				!							1						l										
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	109	109	109	109	109	109	109	109	109	0
L	Total SWL	0	Ø	0	0	0	0	0	0	0	106	108	108	108	109	109	109	109	109	109	109	109	109	109	109	109	109	0
	Noise Level at NSR (dB(A))	0	0	0	0	0	0	0	0	0	62	64	64	64	65	65	65	65	65	65	65	65	65	65	65	65	65	0
							<u> </u>			_		- <u></u> -	<u> </u>						-~									
4	Dredging of Groynes				_	-		-	-	_		-	_	_		7.0	944	<u> </u>	<u> </u>		-	_	<u> </u>	-	_	\vdash		_
*		0	0	0	0	0	0	0	0	0	0	0	0	0	0	114	114	0	0	0	0	0	0	0	0	0	0	0
<u> </u>	Total SWL	0	0	0	0	0	0	0	O	0	0	0	0	. 0	0	114	114	0	0	0	0	0	0	0	0	0	0	0
	Noise Level at NSR (dB(A))	_0_	0	0	.0	0	0	0	0	0	0	0	0	0	0	67	67	0	0	0	0	0	0	0	0	0	0	0
								L																				
5	Rock filling of Groynes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	110	110	110	0	0	0	0	0	0	0	0
	Total SWL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	110	110	110	0	0	0	0	0	0	0	0
	Noise Level at NSR (dB(A))	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	66	66	66	0	0	0	0	0	0	0	0
			-					<u> </u>	<u> </u>	\vdash	_	_		<u> </u>								_			Ť	1	-	
6	Box Culvert Construction						-	_	$\overline{}$	\vdash				$\overline{}$	_		\vdash						-		\vdash	-	$\overline{}$	-
62			-			-	110	110	110	110	110	-	-	_		_	 _ 					_		_				
6a	construction of gabion channel	0	0	0	0	0	110	110	110	110	110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Noise Level at NSR (dB(A))	0	0	0	0	0	56	56	56	56	56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6b	construction of western culvert	0	0	0	0	0	0	0	0	0	0	112	112	112	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Noise Level at NSR (dB(A))	0	0	0	0	0	0	0	0	0	0	59	59	59	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6c	construction of eastern culvert	0	0	0	0	0	0	0	0	0	٥	0	0	0	104	0	0	0	0	0	0	0	0	0	0	0	0	0
	Noise Level at NSR (dB(A))	0	D	0	0	0	0	0	0	0	0	0	0	0	65	0	0	0	0	0	0	0	0	0	0	0	0	0
6d	construction of 90m box culvert	0	0	0	0	0	0	0	0	0	0	0	0	0	0	103	103	103	103	103	103	103	0	0	0	0	0	0
	Noise Level at NSR (dB(A))	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63	63	63	63	63	63	63	0	0	0	0	0	0
	ANDRE LEVEL ME MOR (UD(A))	<u> </u>	v	٠	, ,		· ·	<u> </u>			· U		U	U	U	0.3	0.3	0.3	0.5	0.5	0.3	0.5	יי	U	U	u	<u>"</u>	U
ļ .	Cand Pilling	_			احيا			<u>ا</u>	-		_				\vdash	<u> </u>			-	100	100	400						
$\stackrel{\checkmark}{}$	Sand Filling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	109	109	109	109	0	0	0	0	0
L	Total SWL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	109	109	109	109	0	0	0	0	0
	Noise Level at NSR (dB(A))	0	0	0	0	0	0	0	0	0	0_	0	0	0	0	0	0	0	0	62	62	62	62	0	0	0	0	0
																										I		
OVE	RALL NOISE LEVEL AT NSR (dB(A))	0	0	70	70	70	70	70	70	70	66	67	67	65	68	70	70	70	70	70	68	68	67	65	65	65	65	0
				_																								

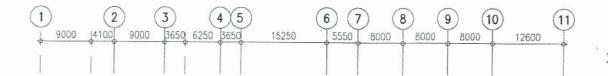
Apper	ndix D5 -	Construction Noise Ass	sessm	ent -	Mitic	rated	Scena	rin	Γ.	Ι					1	1	I		Ι	i	1			1				····	1
прред		Construction (voise 113.	30,311	CILL-	1411418	Jucu	- CCCIII				 	1		_		 								_					-
NSR:	N3, Villa	ge House - No.70 Lo Tsz T	in				-						\vdash							 	-	_		+					
	<u> </u>		- "							_		T .														-	_		
Distanc	e from NSI	to Notional Source Position	1			Corre	ction	Factor														1					_		
Distanc	e from NSI	R to Work Site ID 1	122	11£		Distar	nce Ath	enuatio	n =	-50	dB(A)		Facad	e =	3	dB(A)		Barrier	Correc	tion =	0	dB(A)					\vdash		i
Distanc	e from NS	R to Work Site ID 2	85	HI	Ì	Distar	ace Att	enuatio	on =	-47	dB(A)		Facad	e ==	3	dB(A)		Barrier	Correc	tion =	0	dB(A)							
Distanc	e from NSI	R to Work Site ID 3	70	III		Distar	ice Att	enuatio	n=	-45	dB(A)		Facad	e =	3	dB(A)		Barrier	Correc	tion =	0	dB(A)							i
Distanc	e from NSI	R to Work Site ID 4	167	m		Distar	ice Att	enuatio	on =	-52	dB(A)		Facad	e=	3	dB(A)		Barrier	Correc	tion =	0	dB(A)							
Distanc	e from NSI	to Work Site ID 5	172	111		Distar	ice Att	enuatio	n =	-53	dB(A)		Facad	e=	3	dB(A)		Barrier	Correc	tion =	0	dB(A)							
Distano	e from NSI	to Work Site ID 6a & 6b	106	111		Distar	ice Att	enuatio	on =	-49	dB(A)		Facad	e=	3	dB(A)		Barrier	Correc	tion =	0	dB(A)							
Distano	e from NSI	to Work Site ID 6c & 6d	212	111		Distar	ice Att	enuatio	on =	-55	dB(A)		Facad	e=	3	dB(A)		Barrier	Correc	tion =	0	dB(A)	1						
Distanc	e from NSI	R to Work Site ID 7	167	m		Distar	ice Att	enuatio	on =	-52	dB(A)		Facad	6=	3	dB(A)		Barrier	Correc	tion =	0	dB(A)							
																					\Box						Ī		
Constr	uction Ite	<u>m</u>		2008							20	009								•			20	010					
ID	Activity		0	N	D	ı	F	М	Λ	М	,	1	Α	S	0	N	D	ı	F	М	Λ	М	J	J	Λ	S	0	N	D
1	Construct	ion Works on Land																											-
1a		ition, construction of seawall,	0	0	111	111	111	111	111	110.9	110.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1b	road wide	ning at Ting Kok Road	0	0	107	107	107	107	107	107	107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Total SWL	0	0	113	113	113	113	113	113	113	0	0	0	0	0	0	ō	0	0	0	0	0	0	ō	0	0	0	0
	1	Noise Level at NSR (dB(A))	0	0	66	66	66	66	66	66	66	ō	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
										-		<u> </u>	1		-		<u> </u>	Ť			_	<u> </u>	_	Ť	Ť	<u>-</u> -	<u> </u>	Ť	Ť
2	Car Park	Paving	0	0	0	0	0	0	0	0	0	111	111	111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	Total SWL	0	0	0	0	0	0	0	0	0	111	111	111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	l	Noise Level at NSR (dB(A))	0	0	0	0	0	0	0	0	0	67	67	67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	 				Ť						<u> </u>	ļ	- "-	 	, ,	<u> </u>	<u> </u>	-	۳	<u> </u>		-	-	۳	۰		-	<u> </u>	-
3	Building V	Vorks			\vdash	_							 							\vdash	\vdash		-	\vdash	 				\vdash
3a	piling wor		0		0	0	0	0	0	0	0	106	0	0	0	0	0		<u> </u>	<u> </u>	-	0		 _	<u> </u>	_		<u>-</u> -	
		n and tanking				-	_			_		_	_	_			_	0	0	0	0	_	0	0	0	0	0	0	0
3b			0	_0_	_0	0	0	0	0	0	0	0	108	108	108	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3с	superstruc		0	0	0	0	0	0	0	0	0	0	0	0	0	109	109	109	109	0	0	0	0	0	0	0	0	0	0
3d	building f	inishes & internal fitting-out			Ì															l									
			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	G	0	109	109	109	109	109	109	109	109	109	0
		Total SWL	0	0	0	0	0	0	0	0	0	106	108	108	108	109	109	109	109	109	109	109	109	109	109	109	109	109	0
		Noise Level at NSR (dB(A))	0	0	0	0	0	0	0	0	0	64	66	66	66	67	67	67	67	67	67	67	67	67	67	67	67	67	0
												\vdash												 					
4	Dredging o	of Grownes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	114	114	0	0	0	0	0	0	0	0	0	0	0
-	39	Total SWL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	114	114	0	0	0	0	0	0	0	0	0	0	0
		Noise Level at NSR (dB(A))	0	0	0	0	0	0	0	0	D	D	0	0	0	0	64	64	0	0	0	0	0	0	0	0	0	0	0
		Noise Level at 143K (ub(x))		·				U			-	-	-					0%		-		<u> </u>			U	U	'	U	U
5	Rock fillis	ng of Groynes	0		0			0	α	α	_	_	0	0			-	_	110	110	110	_	_	-	0	_	_		_
<u> </u>		Total SWL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	110	110	110 110	0	0	0	0	0	0	0	0
\vdash		Noise Level at NSR (dB(A))		- 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	60	60	0	0	0	0	0	0	0	0
		INDISC LEVEL AT NOK (GD(A))	· ·	U			-	U	U	U	۳	-	, v	۳	U	-	-	- -	- OU	. 00	ου	-	U	1	U		U	U	U
6	Box Culna	rt Construction											 	 				\vdash		 				├	-				
6-				-	-		_	110	110	110	110	110	<u> </u>			_	_		_	-	_	_	-	 _	-	_	\vdash	<u> </u>	_
6a		on of gabion channel	0	0	0	0	0	110	110	110	110	110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(1		Noise Level at NSR (dB(A))	0	0	0	0	0	64	64	64	64	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6Ъ		on of western culvert	0	0_	0	0	0	0	0	0	0	0	112	112	112	0	0	0	0	0	0	0	0	0	0	0	0	0	. 0
<u></u>		Noise Level at NSR (dB(A))	0	0	0	0	0	0	0	0	0	0	67	67	67	0	0	0	0	0	0	0	0	0	0	0	0	Ð	0
6c		on of eastern culvert	0	0	0	C	0	0	0	0	0	0	0	0	0	104	0	0	0	0	0	0	0	0	0	0	0	0	0
L		Noise Level at NSR (dB(A))	0	0	0	0	0	0	0	0	0	0	0	0	0	53	0	0	0	0	0	0	0	0	0	0	0	0	0
6d		on of 90m box culvert	0	0	0	0	0	0	0	0	0	0	0	0	0	0	103	103	103	103	103	103	103	0	0	0	0	0	0
		Noise Level at NSR (dB(A))	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	51	51	51	51	51	51	0	0	0	0	0	0
					L																								
7	Sand Fillin		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	109	109	109	109	0	0	0	0	0
		Total SWL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	109	109	109	109	0	0	0	0	0
		Noise Level at NSR (dB(A))	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	60	60	60	0	0	0	0	0
OVE	RALL NO	SE LEVEL AT NSR (dB(A))	0	0	66	66	66	68	68	68	68	70	71	71	69	67	69	69	68	68	68	68	68	68	67	67	67	67	0
	<u></u>																												
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Appe	naix D5 -	Construction Noise As	sessn	ient -	Mitig	gated	Scena	ario	-				-				<u> </u>												
NICD.	374 77711	TT 31 70 7 77	Ļ																			ļ							
NSR:	N4, Villa	ge House - No.79 Lo Tsz T	in			ļ <u>_</u>			-			<u> </u>											<u> </u>						
	L	L	<u> </u>													<u> </u>				l									
		R to Notional Source Position				Corre	ction	Facto:	<u>r</u>	1					1.	1					1	'							
Distanc	e from NSF	to Work Site ID 1	135	m		Distar	nce Att	enuati	on =	-51	dB(A)		Facad	e =	3	dB(A)		Barrier	Correc	tion =	0	dB(A)							
Distanc	e from NSR	to Work Site ID 2	135	111		Distar	nce Att	enuati	on =	-51	dB(A)		Facad	e=	3	dB(A)		Barrier	Correc	tion =	0	dB(A)				-			
Distanc	e from NSR	to Work Site ID 3	106	111		Distar	nce Att	enuati	on =	-49	dB(A)		Facad	e=	3	dB(A)		Barrier	Correc	tion =	0	dB(A)							
Distanc	e from NSR	to Work Site ID 4	225	111		Distar	ice Att	enuati	on =	-55	dB(A)		Facad	e =	3	dB(A)		_	Correc		0	dB(A)							
Distanc	e from NSR	to Work Site ID 5	180	111			ice Att			-53	dB(A)		Facad	e =	3	dB(A)		-	Correc		0	dB(A)	<u> </u>				1		-
Distanc	e from NSR	to Work Site ID 6a & 6b	68	111		_	ice Att				dB(A)	_	Facad		3	dB(A)		_	Correc		0	dB(A)	 			-			
		to Work Site ID 6c & 6d	322	m			ice Att			_	dB(A)	-	Facad		3	dB(A)			Correc		0	dB(A)	-						
		to Work Site ID 7	225	m			ice Att				dB(A)		Facad		3	dB(A)	-		Correc		0	dB(A)		_					
Distant	1	T TOTAL SHE ID 7	LLU			DEGL	LEAU	T)	-55	(ה)עוּוּו	_	racau	e=	- 3	(CD(A)		Darrier	Correc	uon =	0	(tB(A)	<u> </u>						
Constr	uction Ite	<u></u>		2008		\vdash	<u>. </u>	1	٠			009				I		_	<u> </u>			L	<u> </u>						
		ii.	_			-	_		_			_	1	,	_		r —						20	010					
ID	Activity		0	N	D	J	F	М	Λ	M	J	J	A	S	_0	N	D	J	F	M	Α	M	J	J	Λ	S	0	N	D
1		ion Works on Land		ļ									<u></u>	<u> </u>				<u></u>	L	L					L -				
1a	site Forma	tion, construction of seawall	0	0	111	111	111	111	111	110.9	110.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1b	road wide	ning at Ting Kok Road	0	0	107	107	107	107	107	107	107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1-	Total SWL	0	0	113	113	113	113	113	113	113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Noise Level at NSR (dB(A))	0	0	65	65	65	65	65	65	65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			_	<u> </u>				 •	 "	155	155	 	-	-		 "	النا		- J	-	9	-	۳	-		-	U	V	U
,	Car Park 1	Paning		_	_	<u> </u>	_	-	_	_	_					_		_		_	_	<u> </u>	_	-		_	_	_	
<u> </u>	1 1	Total SWL	0	0	0	0	0	0	0	0	0	111	111	111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	 	<u> </u>			0	0	0	0	0	0	0	111	111	111	0	0	0	0	0	0	0	0	0	0	0	_0	0	0	0
<u> </u>	ļ	Noise Level at NSR (dB(A))	0	0	0	0	0	0	0	0	0	63	63	63	0	0	0	0	0	0	0	0	0	0	O	0	0	0	0
<u> </u>		<u> </u>					<u> </u>	<u> </u>			L			<u> </u>								L							
3	Building V									l														1					
За	piling wor	ks	0	0	0	0	0	0	0	0	0	106	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3b	foundation	n and tanking	0	0	0	0	0	0	0	0	0	0	108	108	108	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3c	superstruc					_	_	_			_	_	!			-		_				_		_			_		
<u> </u>	<u> </u>		0	0	0	0	0	0	0	0	0	0	0	0	0	109	109	109	109	0	0	0	0	0	0	0	0	0	0
3d	ounding fi	nishes & internal fitting-out		1							1				l														
—	<u> </u>		0	0	0	Ð	0	0	0	0	0	0	0	0	0	0	0	0	0	109	109	109	109	109	109	109	109	109	0
<u> </u>		Total SWL	0	0	0	0	0	0	0	0	0	106	108	108	108	109	109	109	109	109	109	109	109	109	109	109	109	109	0
		Noise Level at NSR (dB(A))	0	0	0	0	0	0	a	0	0	61	62	62	62	63	63	63	63	63	63	63	63	63	63	63	63	63	0
					ٿ	<u> </u>	Ť			-	۳-	- ·	- 02	02	02	- 65	05	03	0.3	0.5	0.3	0.5	03	03	- 03	0.5	0.0	0.5	- U
4	Dredging o	of Centure					<u> </u>		-	-	 	<u> </u>	<u> </u>	.		<u> </u>		<u> </u>				\vdash	<u> </u>						
4	Dreuging 0	, ,	0	0	0	0	0	0	0	0	0	0	0_	0	0	0	114	114	0	0	0	0	0	0	0	0	0	0	0
		Total SWL	0	0	0	Û	. 0	0	0	0	0	0	0	0	0	0	114	114_	0	0	0	0	0	0	0	O	0	0	0
		Noise Level at NSR (dB(A))	0	0	0	. 0	0	0	0	0	0	0	0	0	0	0	62	62	0	0	0	0	0	0	0	0	0	0	0
										L										-									
5	Rock fillin	g of Groynes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	110	110	110	0	0	0	0	0	0	0	0
i		Total SWL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	110	110	110	0	0	0	0	0	0	0	ō
		Noise Level at NSR (dB(A))	0	0	0	0	ō	0	0	0	0	0	0	0	0	0	0	0	60	60	60	0	0	0	Ů	0	0	0	0
	 				-			Ť	<u> </u>					-	-	-	-	-	50			– "	Ť	-	-		-	-	<u> </u>
6	Box Culve	rt Construction		_		\vdash			<u>-</u>				_									$\vdash\vdash$					-		-
			0	_				110	110	110	110	110		_						_	_		_	_	_	_	_	_	
6a		on of gabion channel	0	0	0	0	0	110	110	110	110	110	0	0	0	0	0	0	_0_	0	0	0	0	0	0	0	0	0	0
		Noise Level at NSR (dB(A))	0	0	0	0	0	68	68	68	68	68	0	0	0	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
6b		on of western culvert	0	0	0	0	0	0	0	0	0	0	112	112	112	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1 1	Noise Level at NSR (dB(A))	0	0	0	0	0	0	0	. 0	0	0	71	71	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6c	construction	on of eastern culvert	0	0	0	0	0	0	0	0	O	0	٥	0	0	104	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	Noise Level at NSR (dB(A))	0	0	0	0	0	0	0	0	0	0	0	0	0	49	0	0	0	0	D	0	0	0	0	0	0	0	0
6d	construction	on of 90m box culvert	0	0	0	0	0	o	0	0	0	0	0	0	0	0	103	103	103	103	103	103	103	0	0	0	0	0	0
		Noise Level at NSR (dB(A))	0	0	0	0	0	<u> </u>	0	0	0	0	0	0	0	0	48	48	48	48	48	48	48	0	0	0	0	0	0
<u> </u>	 	TOME DEVELORING (UD(A))	٧	· ·	-	-	^U	U	-	- "	-		U	<u> </u>	v	"	40	20	20	20	20	40	45	v	٧.	U	U	<u>"</u>	
7	Sand Fillin	ıa.	0	_		_		•	_	-	_	C	_		_		<u> </u>	_	_		100		100	100					
-	June Fittin	Total SWL	0	0	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	109	109	109	109	0	0	0	0	0
<u> </u>			0	0	0	0	0	_0	0	0	0	0	0	0	0	0	0	0	0	0	109	109	109	109	0	0	0	0	0
<u> </u>	<u> </u>	Noise Level at NSR (dB(A))	0	0	0	0	_0_	0	0	0	O	0	0	0	0	0	0	_0_	0	0	57	57	57	57	0	0	0	0	_0_
OVE	RALL NOI	SE LEVEL AT NSR (dB(A))	0	0	65	65	65	70	70	70	70	70	72	72	71	63	66	66	65	65	66	64	64	64	63	63	63	63	0
	<u> </u>]]]						7							1	\Box							
				T		7	7																				\neg		

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Appendix D6 Operational Noise Assessment





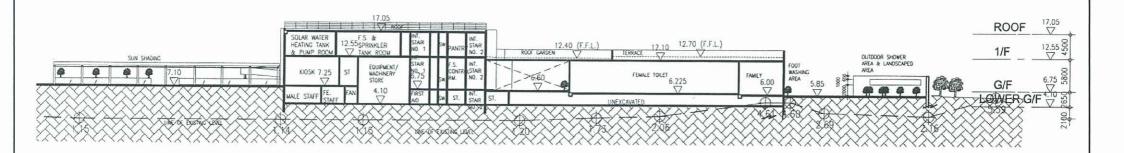


Figure Title:







	Agreement No.:	CE 59/2005(EP)
	Project Title:	
	DEVELO	OPMENT OF A BATHING
t	BEACH	HAT LUNG MEI, TAI PO

ENVIRONMENTAL IMPACT ASSESSMENT REPORT	APP	ENDIX D6 - FI	GURE 2
	Checked PS	Scale AS SHOWN	Rev. 2
SECTION A - A	Designed -	Drawn KK	Date 06/07/2007

Appendix D6 Operational Noise Assessment

NSR: N1, Village House - No.165A Lung Mei

					Distance to		C	orrection, dB(1)		Corrected
			No. of	SWL.	the source,			Operating			Noise Level,
Location	Plant Item	Reference	Plant	dB(A)	m	No. of plant	Distance	Period ⁽²⁾	Barrier ⁽³⁾	Facade	dB(A)
Lift Machine Room	Mechanical fan	_(1)	1	88	160	0	-52	0	0	3	39
Plant Room	Mechanical fan	_(1)	1	88	180	0	-53	0	0	3	38
	Pump	- (1)	3	92	180	5	-53	0	-10	3	37
Water Tank & Pump	Mechanical fan	- (1)	1	88	160	0	-52	0	0	3	39
Room	Pump	- ⁽¹⁾	3	92	160	5	-52	0	-10	3	38
Generator Room	Mechanical fan	_01	1	88	160	0	-52	0	0	3	39
	Generator	CNP 101	1	100	160	0	-52	0	-10	3	41
Pump & Sump Tank	Mechanical fan	-(1)	1	88	100	0	-48	0	0	3	43
Room	Pump	- ⁽¹⁾	3	92	100	5	-48	0	-10	3	42
Car Park	Loudspeaker cluster	- ⁽¹⁾	1	100	218	0	-55	-9	0	3	39
Bathing beach	Loudspeaker cluster	- (t)	1	100	222	0	-55	-9	0	3	39
(safeguard lookout)	Loudspeaker cluster	+ ⁽¹⁾	1	100	126	0	-50	ا و۔ ا	0	3	44
Facility building	Loudspeaker cluster	- (I) · · ·	1	98	95	D	-48	-9	0	3	45
	Loudspeaker cluster	_(1)	1	98	142	0	-51	-9	0	3	41
	Loudspeaker cluster	- (I)	1	98	167	0	-52	-9	-5	3	35
							Predic	ted Operation	al Noise Leve	l at the NSR	52

NSR: N2, Village House - No.103 Lung Mei

					Distance to		C	orrection, dB(.	A)		Corrected
Location	Plant Item	Reference	No. of Plant	SWL, dB(A)	the source, m	No. of plant	Distance	Operating Period ⁽²⁾	Barrier ⁽³⁾	Facade	Noise Level dB(A)
Lift Machine Room	Mechanical fan	- (1)	1	88	132	0	-50	0	0	3	41
Plant Room	Mechanical fan	_(1)	1	88	152	0	-52	0	0	3	39
	Pump	- ⁽¹⁾	3	92	152	5	-52	0	-10	3	38
Water Tank & Pump	Mechanical fan	-(1)	1	88	132	0	-50	0	0	. 3	41
Room	Pump	+ ⁽¹⁾	3	92	132	5	-50	0	-10	3	39
Generator Room	Mechanical fan	- (1)	1	88	132	0	-50	0	0	3	41
	Generator	CNP 101	1	100	132	0	-50	0	-10	3	43
Pump & Sump Tank	Mechanical fan	_{(I)}	1	88	78	0	-46	0	0	3	45
Room	Pump	_(1)	3	92	78	5	-46	0	-10	3	44
Car Park	Loudspeaker cluster	(1)	1	100	186	0	-53	-9	0	3	41
Bathing beach	Loudspeaker cluster	- ⁽¹⁾	1	100	197	0	-54	-9	-5	3	35
(safeguard lookout)	Loudspeaker cluster	- ⁽¹⁾	1	100	110	0	-49	-9	-5	3	40
Facility building	Loudspeaker cluster	(1)	1	98	74	0	-45	-9	D	3	47
	Loudspeaker cluster	- ⁽¹⁾	1	98	107	0	-49	-9	-5	3	39
	Loudspeaker cluster	- ⁽¹⁾	1	98	142	0	-51	-9	-5	3	36
							Predic	ted Operation	al Noise Leve	l at the NSR	53

NSR: N2a, House - No.101 Lung Mei

			No. of	SWL,	Distance to the source,		Corrected					
						1 !		Operating		i	Noise Level,	
Location	Plant Item	Reference	Plant	dB(A)	, DR	No. of plant	Distance	Period ⁽²⁾	Barrier ⁰⁾	Facade	dB(A)	
Lift Machine Room	Mechanical fan	+ ⁽¹⁾	1	88	147	0	-51	0	0	3	40	
Plant Room	Mechanical fan	- ⁽¹⁾	1	88	158	0	-52	0	0	3	39	
	Pump	+ (1)	3	92	158	5	-52	0	-10	3	38	
Water Tank & Pump	Mechanical fan	_(1)	1	88	147	0	-51	0	0	3	40	
Room	Pump	- (1)	3	92	147	5	-51	0	-10	3	38	
Generator Room	Mechanical fan	_(1)	1	88	147	0	-51	0	0	3	40	
	Generator	CNP 101	1	100	147	0	-51	0	-10	3	42	
Pump & Sump Tank	Mechanical fan	_(I)	1	88	64	0	-44	0	0	3	47	
Room	Pump	- ⁽¹⁾	3	92	64	5	-44	0	-10	3	46	
Car Park	Loudspeaker cluster	_(1)	1	100	184	0	-53	-9	0	3	41	
Bathing beach	Loudspeaker cluster	(1)	1	100	196	0	-54	-9	-5	3	35	
(safeguard lookout)	Loudspeaker cluster	-(1)	1	100	102	0	-48	-9	-5	3	41	
Facility building	Loudspeaker cluster	7(1)	1	98	64	0	-44	-9	0	3	48	
	Loudspeaker cluster	- ⁽¹⁾	1	98	109	0	-49	-9	-5	3	39	
	Loudspeaker cluster	-0	1	98	140	0	-51	-9	-5	3	36	
	·					•	Predicted Operational Noise Level at the NSR					

NSR: N3, Village House - No.70 Lo Tsz Tin

Location			No. of Plant	SWL, dB(A)	Distance to the source, m		Corrected				
	Plant Item	Reference				No. of plant	Distance	Operating Period ⁽²⁾	Barrier ⁽³⁾	Facade	Noise Level
Lift Machine Room	Mechanical fan	- (1)	1	88	130	0	-50	0	0	3	41
Plant Room	Mechanical fan	_(1)	1	88	130	D	-50	. 0	0	3	41
	Pump	_ (1)	3	92	130	5	-50	0	-10	3	40
Water Tank & Pump	Mechanical fan	_m	1	88	130	0	-50	0	0	3	41
Room	Pump	_ (1)	3	92	130	5	-50	0	-10	3	40
Generator Room	Mechanical fan	- ⁽¹⁾	1	88	130	0	-50	0	0	3	41
	Generator	CNP 101	1	100	130	0	-50	0	-10	3	43
Pump & Sump Tank	Mechanical fan	_(1)	1	88	140	D	-51	0	0	3	40
Room	Pump	_(I)	3	92	140	5	-51	0	-10	3	39
Car Park	Loudspeaker cluster	_(i)	1	100	130	D	-50	-9	0	3	44
Bathing beach (safeguard lookout)	Loudspeaker cluster	_(1)	1	100	162	0	-52	-9	0	3	42
	Loudspeaker cluster	_(1)	1	100	162	0	-52	-9	-5	3	37
Facility building	Loudspeaker cluster	-(1)	1	98	152	0	-52	-9	0	3	41
	Loudspeaker cluster	. (0)	1	98	121	0 1	-50	-9	-5	3	38
	Loudspeaker cluster	_ (1)	1	98	137	0	-51	-9	-5	3	37
							Predic	ted Overation	al Noise Leve	at the NSR	52

Location		Reference	No. of Plant	SWL, dB(A)	Distance to the source, m		Corrected				
	Plant Item					No. of plant	Distance	Operating Period ⁽²⁾	Barrier ⁽³⁾	Facade	Noise Level, dB(A)
Lift Machine Room	Mechanical fan	- (1)	1	88	195	0	-54	C	D	. 3	37
Plant Room	Mechanical fan	_(1)	1	88	185	0	-53	0	0	3	38
	Pump	[1]	3	92	185	5	-53	0	-10	3	36
Water Tank & Pump	Mechanical fan	_ (1)	1	88	195	0	-54	0	0	3	37
Room	Pump	-(1)	3	92	195	5	-54	0	-10	3	36
Generator Room	Mechanical fan	_(I)	1	88	195	0	-54	0	0	3	37
	Generator	CNP 101	1	100	195	0	-54	0	-10	3	39
Pump & Sump Tank	Mechanical fan	_(I)	1	88	240	0	-56	0	0	3	35
Room	Pump	_(1)	3	92	240	5	-56	0	-10	3	34
Car Park	Loudspeaker cluster	_'(0)	1	100	170	0	-53	و۔	0	3	42
Bathing beach	Loudspeaker cluster		1	100	197	0	-54	-9	0	3	40
safeguard lookout)	Loudspeaker cluster	- ⁽¹⁾	1	100	251	0	-56	-9	-5	3	33
Facility building	Loudspeaker cluster	_(I)	1	98	258	0	-56	-9	-5	3	31
	Loudspeaker cluster	_ (1)	1	98	213	0	-55	-9	-5	3	33
	Loudspeaker cluster	_ (1)	1	98	208	0	-54	-9	-5	3	33

Note:
(1) Maximum Sound Power Levels of the equipment will be specified in the Tender Specification
(2) The PA system will be used occasionally. According to the information provided by LCSD, the operating time of the PA system will be 4 minutes in every 30 minutes.
(3) Negative correction factor of 10dB(A) has been applied in the assessment for the equipment located within a building and 5dB(A) for the NSR with no direct line of sight to the equipment.